

# Human/Machine Interfaces

Magelis™ Panel PC  
Magelis™ BOX PC

Catalog



# How to find the “Automation and Control” products

## > Catalogs

Complete product ranges



## > Essential guides

Selection of the top selling products



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Magelis™ Panel PC and Magelis™ BOX PC

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# Industrial PCs

Magelis™ iPCs certified for automation

Rugged and certified for automation applications,  
Choice of design

1

## Magelis Panel PC and Magelis BOX PC

The Magelis iPC products are rugged and certified for automation applications and can be used in Maintenance-free, Harsh, and Standard industrial environments depending on the model.

The range consists of Magelis Panel PC (Optimum, Universal and Performance) with optional stainless steel bezel for dedicated applications and Magelis BOX PC (Universal and Performance).



Magelis Panel PC



Magelis BOX PC

## Rugged and certified for automation applications

### Rugged for various environments

The Magelis iPC range is extremely rugged, with maintenance-free models (no fan, static storage), LED backlight for Panel PC, high availability options (RAID HDD and Battery backup) and integrated system monitoring. Their resistance to temperature, vibration and shock allows them to operate continuously in extremely difficult environments.

The Magelis iPCs are suitable for automation requirements regarding Worldwide long-term availability, overlap timing to replace legacy ranges with same cut-out and extended timing for repair service.

### Certified for automation systems

The Magelis iPC range is certified with the following:

- cULus (UL 508, CSA 22.2 no. 142), Industrial Control Equipment
- cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n° 213)
- ATEX II 3 Gas and Dust zone 2/22 in explosive atmospheres (1)
- Germanischer Lloyd (Bridge Class) for marine applications (1)
- C-Tick, GOST
- EN 1672-2 and FDA 21CFR 177.206 standards for Panel PC with stainless steel bezel

Certified for use in the most demanding automation systems, including industrial control equipments, hazardous locations, and marine applications.

## Choice of design

### Optimized design with Optimum range

The Panel PC Optimum range is designed for simple applications requiring capabilities like maintenance-free, entry level CPU, limited connectivity, static cards for storage, and Windows embedded OS. These screens which are aesthetically and ruggedly designed are also certified for automation.



Magelis Panel PC (Optimum)

- Resistive touch screen 10", 15" or 15" stainless steel, 16 million colors, IP 65, LED backlight.
- Intel® Atom™ Z510 1.1GHz fanless, 1Gb RAM.
- 2 gigabit Ethernet, 1 RS 232, 2 USB + 1 in front.
- Compact Flash (SLC technology), 1 SD card slot.

(1) Depending on the model.



Magelis iPCs → The new generation of industrial PCs

## Choice of design (continued)

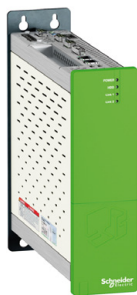
### Modular and flexible design with Universal and Performance ranges

The modular design of Magelis Universal and Performance iPCs provides a complete and coherent range of referenced products. In addition, it allows Magelis Panel PCs and Magelis BOX PCs to be made-to-order.



Magelis Panel PC (Universal or Performance)

- Resistive touch screen 12", 15", 15" stainless steel or 19", 16 million colors, IP 65, LED backlight.
- Intel® Atom™ N270 1.6 GHz, Core™ 2 Duo 2.26 GHz or iCore™ 3rd generation.
- 0 to 2 PCI/PCI Express® slots, removable drives.
- 2 gigabit Ethernet, 4 USB + 1 in front, 1 DVI, up to 4 serial lines.



Magelis BOX PC

- 2 gigabit Ethernet, 4 USB + front, up to 2 DVI and 3 serial lines.
- Intel® Atom™ N270 1.6 GHz or Core™ 2 Duo 2.26 GHz.
- 1 to 5 PCI/PCI Express® slots.
- Removable drives: Compact Flash (SLC), Flash Disk (SSD) or HDD and DVD-RW.

Magelis iPCs support Vijeo Designer's "Intelligent Data Service" option and process Vijeo Designer data.

## Ease of IT integration

### Vijeo Designer and Vijeo Citect bundle offer



Vijeo Citect



Intelligent Data Service



Vijeo Designer

Magelis iPCs are supplied with Vijeo Designer Run Time Demo software (21-day trial version) including the Pac Drive driver which enables Magelis iPCs to interact directly with motion controllers.

Dedicated Magelis iPC models are bundled with Vijeo Citect SCADA software:

- DVD with software and documentation
- USB key with registered user rights
- 1-year support contract

SSD drives are used for SCADA systems due to large number read/write operations on storage drives. Vijeo Citect Web client is also available on models with Compact Flash storage drives. For field maintenance operations, "Build Time" versions of Unity and SoMachine PLC programming software are supported (requires minimum 2 GB RAM).

### Integration into IT structures

Magelis iPCs run on Microsoft operating systems allowing connection of PC peripherals, large data storage, ease of connection to computers and databases, and simultaneous operation of several programs.

Depending on the iPC models, a wide choice of compatible operating systems are available.



2 built-in Ethernet ports of Magelis iPCs separate the IT and automation data flow, reinforcing the overall safety of the system.

**+** Magelis iPCs → Ready for automation

Industrial PCs  
Magelis™ iPCs certified for automation  
Magelis™ Panel PC and Magelis™ BOX PC

| Type of Magelis iPC                                        |                                | Magelis Panel PC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                              |
|------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|
| Industrial environments                                    |                                | Optimum range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Universal range              |                              |
|                                                            |                                | Maintenance-free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Maintenance-free             | Standard                     |
|                                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                              |
| Fanless                                                    |                                | ★★★★★                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ★★★★★                        | ★★★★★ (15" and 19" only)     |
| Non-rotative storage drive                                 |                                | ★★★★★                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ★★★★★                        | —                            |
| Sizes of color touch screen and front panel bezel material |                                | <div><input type="checkbox"/> 10.4" Aluminium bezel</div> <div><input type="checkbox"/> 15" Aluminium or Stainless steel bezel</div> <div><input type="checkbox"/> 12" Aluminum Bezel</div> <div><input type="checkbox"/> 15" Aluminium or Stainless steel bezel</div> <div><input type="checkbox"/> 19" Aluminium bezel</div>                                                                                                                                                                                                                                       |                              |                              |
| CPU (1)                                                    | Processor                      | Intel® ATOM™ Z510 (1.1 GHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                              |
|                                                            | PCI slot                       | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                              |
|                                                            | Storage                        | Compact Flash card (SLC technology) and integrated SD card reader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              | Hard disk                    |
|                                                            | RAM                            | 1 or 2 GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                              |
| Operating system                                           |                                | Windows® Embedded Standard 2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              | Windows® XP Professional SP3 |
| Supply voltage                                             | Aluminium bezel versions       | 24 V ~                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                              |
|                                                            | Stainless steel bezel versions | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                              |
| Standards and certifications                               |                                | <div><input type="checkbox"/> CE</div> <div><input type="checkbox"/> cULus</div> <div><input type="checkbox"/> cULus Haz Loc</div> <div><input type="checkbox"/> ATEX II 3 Gas and Dust Zone 2/22 (Optimum range 15" Stainless steel bezel version only) and</div> <div><input type="checkbox"/> ATEX II 3 Dust Zone 22 (Universal range 15" Stainless steel bezel version only)</div> <div><input type="checkbox"/> EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only)</div> <div>...</div> |                              |                              |
| Marine certification                                       |                                | Bridge Class (only 24 V ~: Magelis Panel PC with 15" or 19" touch screen and Aluminium bezel)<br>Require additional power supply filter HMIYLFIMAR11                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | —                            |
| Software                                                   |                                | Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) (2)<br>Vijeo Citect, depending on the model                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                              |
| References                                                 | Aluminium bezel versions       | HMIPWC●●●●●●                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HMIPUC●●●●●●<br>HMIPUF●●●●●● | HMIPUH●●●●●●                 |
|                                                            | Stainless steel bezel versions | HMIPVC7D0E01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HMIPTF7D2P01                 | HMIPTH7D2P01                 |
| Pages                                                      |                                | 2/2 and 2/3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2/6 and 2/7, 2/14 to 2/17    |                              |
| Made-to-order configuration                                |                                | See configured Magelis Panel PC on page 2/27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                              |

(1) For other options available (interface for backup battery, 3rd serial port, etc.) in made-to-order configuration, see pages 2/27 (Magelis Panel PC) and 3/10 (Magelis BOX PC).  
(2) 12" Aluminum Bezel models require additional SRAM interface HMIYPINSRAM61.  
(3) Refer to "Magelis™ iDisplay catalog" on [www.schneider-electric.com](http://www.schneider-electric.com).

| Magelis Panel PC                                                                                                                                                                                                                                                                                                                                               |              | Magelis BOX PC                                                                                                                                                    |                              |                                                                         |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------|---------------|
| Performance range                                                                                                                                                                                                                                                                                                                                              |              | Universal range                                                                                                                                                   |                              | Performance range                                                       |               |
| Maintenance-free or Harsh                                                                                                                                                                                                                                                                                                                                      | Standard     | Maintenance-free                                                                                                                                                  | Standard                     | Harsh                                                                   | Standard      |
|                                                                                                                                                                                                                                                                             |              |                                                                                |                              |                                                                         |               |
| ★★★★★ (12" only)                                                                                                                                                                                                                                                                                                                                               | —            | ★★★★★                                                                                                                                                             | —                            | —                                                                       | —             |
| ★★★★★                                                                                                                                                                                                                                                                                                                                                          | —            | ★★★★★                                                                                                                                                             | —                            | ★★★★★                                                                   | —             |
| <input type="checkbox"/> 12" Aluminum Bezel<br><input type="checkbox"/> 15" Aluminium or Stainless steel bezel<br><input type="checkbox"/> 19" Aluminium bezel                                                                                                                                                                                                 |              | Compatible with all screens in the Magelis iDisplay range (3)                                                                                                     |                              |                                                                         |               |
| Intel® i3 3 <sup>rd</sup> generation 3217UE Dual Core low power or Core 2 Duo P8400 (2.26 GHz)<br>0 or 2                                                                                                                                                                                                                                                       |              | Intel® ATOM™ N270 (1.6 GHz)<br><br>1 or 2                                                                                                                         |                              | Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset<br><br>2 or 5 |               |
| Flash disk SSD                                                                                                                                                                                                                                                                                                                                                 | Hard disk    | Compact Flash card (SLC technology) or Flash disk SSD                                                                                                             | Hard disk                    | Flash disk SSD                                                          | Hard disk     |
| 2 or 4 GB                                                                                                                                                                                                                                                                                                                                                      |              | 1 or 2 GB                                                                                                                                                         |                              | 2 or 4 GB                                                               |               |
| Windows® 7 Ultimate 64-bit                                                                                                                                                                                                                                                                                                                                     |              | Windows® Embedded Standard 2009 or Windows® XP Professional SP3                                                                                                   | Windows® XP Professional SP3 | Windows® 7 Ultimate 64-bit                                              |               |
| 24 V ~ or 100...240 V ~                                                                                                                                                                                                                                                                                                                                        |              | 24 V ~                                                                                                                                                            |                              |                                                                         |               |
| 100...240 V ~                                                                                                                                                                                                                                                                                                                                                  |              | —                                                                                                                                                                 |                              |                                                                         |               |
| <input type="checkbox"/> CE<br><input type="checkbox"/> cULus<br><input type="checkbox"/> cULus Haz Loc<br><input type="checkbox"/> ATEX II 3 Dust Zone 22 (Stainless steel bezel versions only)<br><input type="checkbox"/> EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only)<br>... |              | <input type="checkbox"/> CE<br><input type="checkbox"/> cULus<br><input type="checkbox"/> cULus Haz Loc<br><input type="checkbox"/> ATEX II 3 Dust Zone 22<br>... |                              |                                                                         |               |
| —                                                                                                                                                                                                                                                                                                                                                              |              | Bridge Class                                                                                                                                                      | —                            |                                                                         |               |
| Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) (2)<br>Vijeo Citect, depending on the model                                                                                                                                                                                                      |              |                                                                                                                                                                   |                              |                                                                         |               |
| HMIPPF●●●●●●                                                                                                                                                                                                                                                                                                                                                   | HMIPPH●●●●●● | HMIBUCN●●●●●●<br>HMIBUFN●●●●●●                                                                                                                                    | HMIBUHN●●●●●●                | HMIBPFD●●●●●●                                                           | HMIBPHD●●●●●● |
| —                                                                                                                                                                                                                                                                                                                                                              | HMIPRH7A2701 | —                                                                                                                                                                 | —                            | —                                                                       | —             |
| 2/14 to 2/17                                                                                                                                                                                                                                                                                                                                                   |              | 3/2 and 3/3                                                                                                                                                       |                              |                                                                         |               |
| See configured Magelis Panel PC on page 2/27                                                                                                                                                                                                                                                                                                                   |              | See configured Magelis BOX PC on page 3/10                                                                                                                        |                              |                                                                         |               |

**Magelis™ Panel PC Optimum range****Selection guide** ..... page 2/2**■ Presentation**

- Overview of Optimum range
  - Magelis Panel PC Optimum range ..... page 2/4
  - Made-to-order Magelis Panel PC Optimum range ..... page 2/4

**■ Description**

- 10.4" and 15" (aluminium or stainless steel bezel) ..... page 2/4
  - Front panels ..... page 2/4
  - Common rear panel ..... page 2/4
  - Common underside ..... page 2/4
- USB accessories for HMI terminals ..... page 2/5

**■ Reference**

- Magelis Optimum Panel PC - 10.4" or 15" LCD TFT LED touch screen ..... page 2/5

**Magelis™ Panel PC Universal and Performance ranges****Selection guide of Magelis Panel PC Universal and Performance with 12" touch screen** ..... page 2/6**■ Presentation**

- Overview of the range
  - Magelis Panel PC Universal with 12" touch screen ..... page 2/8
  - Magelis Panel PC Performance with 12" touch screen ..... page 2/9
  - Made-to-order Magelis Panel PC Universal and Performance ranges ..... page 2/9

**■ Description**

- Magelis Universal and Performance Panel PC: 12" ..... page 2/10
- Magelis Universal and Performance Panel PC: 12", without Slots expansion module ..... page 2/10
- Magelis Universal and Performance Panel PC: 12", without Slots expansion module ..... page 2/11
- Magelis Universal and Performance Panel PC: 12", with Slots expansion module ..... page 2/12

**■ References**

- Magelis Universal Panel PC - 12" LCD TFT LED touch screen ..... page 2/13
- Magelis Performance Panel - 12" LCD TFT LED touch screen ..... page 2/13

**Selection guide of Magelis Panel PC Universal range with 15" and 19" touch screens** ..... page 2/14**■ Presentation**

- Overview of the range
  - Magelis Panel PC Universal range with 15" and 19" touch screens ..... page 2/18
  - Magelis Panel PC Performance range ..... page 2/19
  - Made-to-order Magelis Panel PC Universal and Performance ranges ..... page 2/19
- USB accessories for HMI terminals ..... page 2/19

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#### ■ Description

- Magelis Universal and Performance Panel PC 15" and 19" ..... *page 2/20*
- Magelis Universal and Performance Panel PC,  
15" and 19", no PCI slot ..... *page 2/21*
- Magelis Universal and Performance Panel PC,  
15" and 19", 2 PCI slots ..... *page 2/21*

#### ■ Reference

- Magelis Universal Panel PC - 15" LCD TFT LED touch screen ..... *page 2/22*
- Magelis Performance Panel - 15" LCD TFT LED touch screen ..... *page 2/23*
- Magelis Universal Panel PC - 19" LCD TFT LED touch screen ..... *page 2/24*
- Magelis Performance Panel - 19" LCD TFT LED touch screen ..... *page 2/25*

#### ■ Separate components for Magelis Panel PC ..... *page 2/26*

#### ■ Substitution

- Configured Magelis Panel PC ..... *page 2/29*

Industrial PCs  
Magelis™ iPCs certified for automation  
Magelis™ Panel PC  
Optimum range with 10.4" or 15" touch screen

| Type                                                                              |                                                       | Optimum range - 10.4" touch screen                                                                                                                                |                                            |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Industrial environments                                                           |                                                       | Maintenance-free (with Aluminium front panel bezel)                                                                                                               |                                            |
|  |                                                       |                                                                                  |                                            |
| Fanless                                                                           |                                                       | ★★★★★                                                                                                                                                             |                                            |
| Non-rotative storage drive                                                        |                                                       | ★★★★★                                                                                                                                                             |                                            |
| Screen                                                                            | Type                                                  | 10.4" LCD TFT LED touch screen                                                                                                                                    |                                            |
|                                                                                   | Definition                                            | SVGA 800 x 600, 16 million colors                                                                                                                                 |                                            |
|                                                                                   | Degree of protection                                  | IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door                                                                           |                                            |
|                                                                                   | Front panel bezel material                            | Aluminum                                                                                                                                                          |                                            |
| CPU                                                                               | Processor                                             | Intel® ATOM™ Z510 (1.1 GHz)                                                                                                                                       |                                            |
|                                                                                   | Operating system storage                              | Compact Flash card ≥ 2 GB (SLC technology)                                                                                                                        | Compact Flash card ≥ 4 GB (SLC technology) |
|                                                                                   | User storage                                          | Integrated SD card reader                                                                                                                                         |                                            |
|                                                                                   | RAM (1)                                               | 1 GB                                                                                                                                                              | 2 GB                                       |
|                                                                                   | Integrated ports                                      | 2 x Ethernet 10/100/1000 Mbps<br>1 x USB 2.0 (1 A) on the front panel + 2 x USB 2.0 (1 A) on the underside<br>1 x RS232C                                          |                                            |
| Operating system                                                                  |                                                       | Windows® Embedded Standard 2009                                                                                                                                   |                                            |
| Supply voltage                                                                    | Voltage                                               | 24 V $\pm$ (± 25 %)                                                                                                                                               |                                            |
|                                                                                   | Current                                               | Nominal current 1.9 A. Typical inrush current 3 A, 50 A < 300 $\mu$ s                                                                                             |                                            |
| Overall dimensions (W x H x D)/Cut-out (W x H)                                    |                                                       | 323 x 260 x 72 mm/Cut-out: 303 x 243 mm                                                                                                                           |                                            |
| Temperature                                                                       | During operation                                      | 0...50 °C, conforming to IEC 61132-2, UL 508                                                                                                                      |                                            |
|                                                                                   |                                                       |                                                                                                                                                                   |                                            |
| Vibration resistance during operation                                             | Continuous                                            | 1.75 mm amplitude from 2...9 Hz, 0.5 g from 9...200 Hz (2)                                                                                                        |                                            |
|                                                                                   | Non-continuous                                        | 3.5 mm amplitude from 2...9 Hz, 1 g from 9...200 Hz (2)                                                                                                           |                                            |
|                                                                                   | Merchant navy IACS E10                                | —                                                                                                                                                                 |                                            |
| Shock resistance                                                                  | during operation                                      | 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                                                   |                                            |
| Standards and certifications                                                      |                                                       | CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST                                        |                                            |
| Marine certification                                                              | Germanischer Lloyd (Bridge Class)                     | —                                                                                                                                                                 |                                            |
| ATEX certification                                                                |                                                       | —                                                                                                                                                                 |                                            |
| Software                                                                          |                                                       | Acrobat Reader, Word/Excel/Power Point Viewer, Framework.Net 3.5, Web browser<br>Vijeo Designer Run Time Demo 21-day trial version (3)<br>Vijeo Citect Web Client |                                            |
| References of Aluminium bezel versions                                            | With Vijeo Designer Run Time Demo, 21-day version (3) | HMIPWC5D0E01                                                                                                                                                      | HMIPWC5D0E01A                              |
| References of Stainless steel bezel versions                                      | With Vijeo Designer Run Time Demo, 21-day version (3) | —                                                                                                                                                                 |                                            |
| Pages                                                                             |                                                       | 2/5                                                                                                                                                               |                                            |
| Made-to-order configuration                                                       |                                                       | See configured Magelis Panel PC on page 2/27                                                                                                                      |                                            |

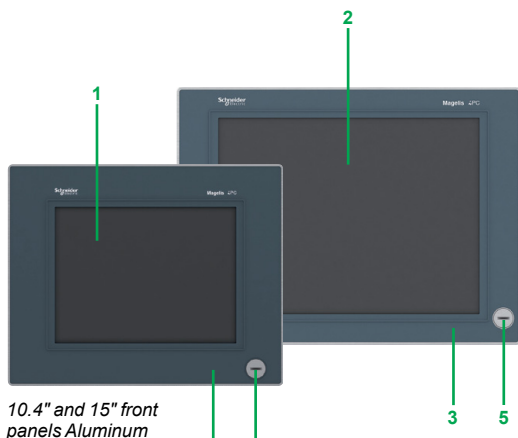
(1) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).  
(2) Conforming to IEC 60068-2-6 Fc.  
(3) Unlimited license, to be ordered separately (VJDSNRTMPC).

| Optimum range - 15" touch screen                                                                                                                                                                                                                                                                                                                                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Maintenance-free (with Aluminium or Stainless steel front panel bezel)                                                                                                                                                                                                                                                                                                                             |  |
|                                                                                                                                                                                                                                                                                                                 |  |
| ★★★★★                                                                                                                                                                                                                                                                                                                                                                                              |  |
| ★★★★★                                                                                                                                                                                                                                                                                                                                                                                              |  |
| 15" LCD TFT LED touch screen                                                                                                                                                                                                                                                                                                                                                                       |  |
| XGA 1024 x 768, 16 million colors                                                                                                                                                                                                                                                                                                                                                                  |  |
| IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door                                                                                                                                                                                                                                                                                                            |  |
| Aluminium or Stainless steel                                                                                                                                                                                                                                                                                                                                                                       |  |
| Intel® ATOM™ Z510 (1.1 GHz)                                                                                                                                                                                                                                                                                                                                                                        |  |
| Compact Flash card ≥ 2 GB (SLC technology)                                                                                                                                                                                                                                                                                                                                                         |  |
| Integrated SD card reader                                                                                                                                                                                                                                                                                                                                                                          |  |
| 1 GB                                                                                                                                                                                                                                                                                                                                                                                               |  |
| 2 x Ethernet 10/100/1000 Mbps                                                                                                                                                                                                                                                                                                                                                                      |  |
| 1 x USB 2.0 (1 A) on the front panel + 2 x USB 2.0 (1 A) at the bottom                                                                                                                                                                                                                                                                                                                             |  |
| 1 x RS232C                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Windows® Embedded Standard 2009                                                                                                                                                                                                                                                                                                                                                                    |  |
| 24 V $\pm$ (± 25 %)                                                                                                                                                                                                                                                                                                                                                                                |  |
| Nominal current 1.9 A. Typical inrush current 3 A, 50 A < 300 $\mu$ s                                                                                                                                                                                                                                                                                                                              |  |
| 402 x 301 x 72 mm/Cut-out: 383.5 x 282.5 mm                                                                                                                                                                                                                                                                                                                                                        |  |
| 0...50 °C, conforming to IEC 61132-2, UL 508                                                                                                                                                                                                                                                                                                                                                       |  |
| 1.75 mm amplitude from 2...9 Hz, 0.5 g from 9...200 Hz (2)                                                                                                                                                                                                                                                                                                                                         |  |
| 3.5 mm amplitude from 2...9 Hz, 1 g from 9...200 Hz (2)                                                                                                                                                                                                                                                                                                                                            |  |
| 1 mm from 3...13.2 Hz, 0.7 g from 13.2...100 Hz, 90 minutes endurance                                                                                                                                                                                                                                                                                                                              |  |
| 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                                                                                                                                                                                                                                                                                    |  |
| <input type="checkbox"/> CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST<br><input type="checkbox"/> EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only)<br>Requires additional power supply filter HMIYLFIMAR11 (Aluminium bezel versions only) |  |
| ATEX II 3 Gas and Dust zone 2/22 (Stainless steel bezel versions only)                                                                                                                                                                                                                                                                                                                             |  |
| Acrobat Reader, Word/Excel/Power Point Viewer, Framework.Net 3.5, Web browser<br>Vijeo Designer Run Time Demo 21-day trial version (3)<br>Vijeo Citect Web Client                                                                                                                                                                                                                                  |  |
| HMIPWC7D0E01                                                                                                                                                                                                                                                                                                                                                                                       |  |
| HMIPVC7D0E01                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 2/5                                                                                                                                                                                                                                                                                                                                                                                                |  |
| See configured Magelis Panel PC on page 2/27                                                                                                                                                                                                                                                                                                                                                       |  |

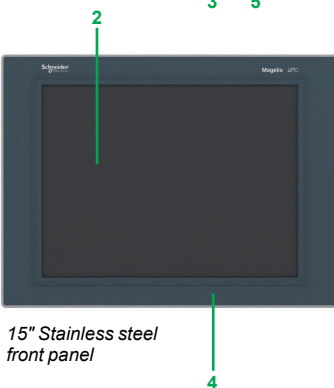




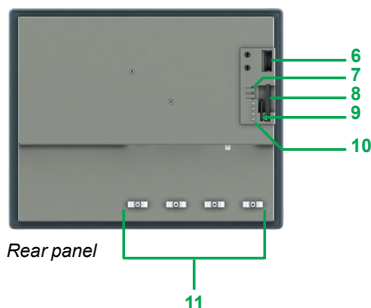
10.4" and 15" Magelis PC Panel



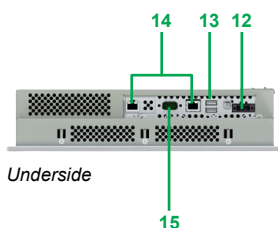
10.4" and 15" front panels Aluminum



15" Stainless steel front panel



Rear panel



Underside

## Presentation

The Magelis Panel PC Optimum range offers products that are rugged and certified for automation applications. These products, offering an optimized design also feature compact dimensions, particularly in terms of depth.

They are specifically designed for use in maintenance-free environments and can be easily integrated into IT systems. Versions are available with a stainless steel front panel bezel.

## Overview of Optimum range

### Magelis Panel PC Optimum range

The Magelis Panel PC Optimum range is equipped with a fanless Intel® ATOM™ Z510 processor (1.1 GHz) and DDR2 RAM (1).

This range is available with 10.4" or 15" LCD TFT LED touch screen of 16 million colors, fanless, with a solid-state storage disk:

- **HMIPWC5D0E01, HMIPWC5D0E01A and HMIPWC7D0E01:**
  - IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door
  - Compact Flash card (operating system)/integrated SD card reader (user data)/ Windows® Embedded Standard 2009/24 V --- power supply.

### Made-to-order Magelis Panel PC Optimum range

On Magelis Optimum Panel PC bases, the CPU can be customized by selecting the capacity of RAM and Compact Flash card. For more information on HMIPCCW offer see page 2/29.

## Description

### 10.4" (Aluminium bezel) and 15" (Aluminium or Stainless steel bezel) Magelis Optimum Panel PC

#### Front panels

- 1 10.4" LCD TFT LED touch screen (SVGA 800 x 600) with 16 million colors for **HMIPWC5D0E01** and **HMIPWC5D0E01A**:
    - Brightness: 450 cd/m<sup>2</sup> (adjustable)
    - Type of touch panel: Analog resistive film, resolution 4096 x 4096
    - Typical viewing angle: 120° (vertically)/160° (horizontally)
  - 2 15" LCD TFT LED touch screen (XGA 1024 x 768) with 16 million colors for **HMIPWC7D0E01**:
    - Brightness: 350 cd/m<sup>2</sup> (adjustable)
    - Type of touch panel: Analog resistive film, resolution 4096 x 4096
    - Typical viewing angle: 100° (vertically)/160° (horizontally)
  - 3 Aluminum alloy front panel providing IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door; mounted on 1.6...10 mm/0.063...0.394 in. thick support using the supplied screw fasteners (2)
- or
- Stainless steel 304 "Scotch Brite®" brushed finish front panel enabling an IP 65 and Nema 4X indoor degree of protection when mounted on a panel or an enclosure door. Mounted on 1.6...10 mm/0.063...0.394 in. thick support using stainless steel screw fasteners supplied (2). Simplifies cleaning because of the absence of USB port on front panel (conforms to food and beverage processing machines standard EN 1672-2). The front panel is fitted with specific seals (standard FDA 21 CFR 177.206)
- 4 USB 2.0 port (1 A max.) with screw-on protective cover (only available for Aluminium version); captive protective cover option also available (3)

#### Common rear panel

- 5 Battery
- 6 2 pushbuttons: 1 for power supply and 1 for resetting
- 7 Compact Flash card (SLC technology) ≥ 2 or 4 GB specifically for the operating system
- 8 SD card reader for user data - SD card optional (3)
- 9 4 status and power supply LEDs
- 10 Cable clamps

#### Common underside

- 11 24 V ---/1.9 A power supply connector
- 12 2 USB 2.0 ports (1 A max.)
- 13 2 Ethernet 10/100/1000 Mbps ports
- 14 RS232C port

(1) Not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

(2) For installation, please refer to the "product data sheet" on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(3) To be ordered separately (see page 2/26).



## USB accessories for HMI terminals

The Magelis™ USB accessories expand the selection range of user applications by offering value-added/differentiated HMI solutions. These innovative USB accessories can be easily installed and operated with HMI terminals (6).

The Magelis USB accessories supported by Magelis Panel PC include:

- Harmony XB5S biometric USB switch
- Magelis HMIZ illuminated USB switch

For more information on HMI USB accessories, please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com).

**Magelis Optimum Panel PC - 10.4" or 15" LCD TFT LED touch screen (1)**  
**(Intel® ATOM™ Z510 processor (1.1 GHz)/DDR2 RAM/24 V ~ supply voltage) (2)**

| Screen type                                                                                                                                                                | Operating system                    | Software                   | Storage                                                                                                | DDR2 RAM (3) | Reference            | Weight kg/lb     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------|--------------|----------------------|------------------|
| <b>For maintenance-free environment (with Aluminium front panel bezel)</b>                                                                                                 |                                     |                            |                                                                                                        |              |                      |                  |
| <b>10.4" LCD TFT LED touch screen</b><br>SVGA 800 x 600, 16 million colors<br>IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door | Windows® Embedded Standard 2009 (4) | Vijeo Designer RT Demo (5) | Operating system:<br>Compact Flash ≥ 2 GB<br>User: 1 SD memory card reader (card available separately) | 1 GB         | <b>HMIPWC5D0E01</b>  | 4.400/<br>9.700  |
|                                                                                                                                                                            | Windows® Embedded Standard 2009 (4) | Vijeo Designer RT Demo (5) | Operating system:<br>Compact Flash ≥ 4 GB<br>User: 1 SD memory card reader (card available separately) | 2 GB         | <b>HMIPWC5D0E01A</b> | 4.400/<br>9.700  |
| <b>15" LCD TFT LED touch screen</b><br>XGA 1024 x 768, 16 million colors<br>IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door   | Windows® Embedded Standard 2009 (4) | Vijeo Designer RT Demo (5) | Operating system:<br>Compact Flash ≥ 2 GB<br>User: 1 SD memory card reader (card available separately) | 1 GB         | <b>HMIPWC7D0E01</b>  | 6.100/<br>13.449 |

**For maintenance-free environment (with Stainless steel front panel bezel)**

|                                                                                                                                                                          |                                     |                            |                                                                                                        |      |                     |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------|------|---------------------|------------------|
| <b>15" LCD TFT LED touch screen</b><br>XGA 1024 x 768, 16 million colors<br>IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door | Windows® Embedded Standard 2009 (4) | Vijeo Designer RT Demo (5) | Operating system:<br>Compact Flash ≥ 2 GB<br>User: 1 SD memory card reader (card available separately) | 1 GB | <b>HMIPVC7D0E01</b> | 6.300/<br>13.889 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------|------|---------------------|------------------|

(1) For separate components, software and external power supply see page 2/26.

(2) For an ~ supply voltage, an external Phaseo power supply can be used (see page 2/26).

(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Acrobat Reader, Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
- Vijeo Citect Web Client
- Vijeo Designer Run Time Demo (5)

(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (**VJDSNRTMPC**) (see page 2/26).

(6) Requires Vijeo Designer software running on Magelis Panel PC.



HMIPWC5D0E01  
(screen side)



HMIPWC7D0E01  
(screen side)



HMIPWC7D0E01  
(CPU side)

Industrial PCs  
Magelis™ iPCs certified for automation  
Magelis™ Panel PC  
Universal and Performance ranges with 12" touch screen

| Type                                                                              | Universal range - 12" touch screen             |                                                                                                                            |                                      |  |
|-----------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|
| Industrial environments                                                           | Maintenance-free (with Aluminium bezel)        |                                                                                                                            |                                      |  |
|  |                                                |                                                                                                                            |                                      |  |
| Fanless                                                                           | ★★★★★                                          |                                                                                                                            | ★★★★★                                |  |
| Non-rotative storage drive                                                        | ★★★★★                                          |                                                                                                                            | ★★★★★                                |  |
| Screen                                                                            | Type                                           | 12" LCD TFT LED touch screen                                                                                               |                                      |  |
|                                                                                   | Definition                                     | XGA 1024 x 768, 16 million colors                                                                                          |                                      |  |
|                                                                                   | Degree of protection                           | IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door                                    |                                      |  |
|                                                                                   | Front panel bezel material                     | Aluminum                                                                                                                   |                                      |  |
| CPU (1)                                                                           | Processor                                      | Intel® iCore™ 3 <sup>rd</sup> generation 827E low power                                                                    |                                      |  |
|                                                                                   | Fan                                            | –                                                                                                                          |                                      |  |
|                                                                                   | Default storage (user removable)               | CFast card ≥ 4 GB (SLC technology)                                                                                         | Flash disk ≥ 60 GB                   |  |
|                                                                                   | Storage slots (user accessible)                | 1 Cfast + 1 Slide-in Compact                                                                                               |                                      |  |
|                                                                                   | RAM (16 GB max. in 2 slots)                    | 2 GB in 1 slot, user extendable (1)                                                                                        |                                      |  |
|                                                                                   | Slots expansion module                         | (to be added by user) (1)                                                                                                  |                                      |  |
|                                                                                   | Integrated DVD-RW drive                        | (to be added by user) (1)                                                                                                  |                                      |  |
|                                                                                   | Integrated ports                               | 2x Ethernet 10/100/1000 Mbps                                                                                               |                                      |  |
|                                                                                   |                                                | 1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top                                                  |                                      |  |
|                                                                                   |                                                |                                                                                                                            |                                      |  |
|                                                                                   |                                                | 2 x RS232C                                                                                                                 |                                      |  |
|                                                                                   | Optional ports                                 | 2 interface modules slots user accessible (1)                                                                              |                                      |  |
|                                                                                   | Optional internal RAID                         | –                                                                                                                          |                                      |  |
|                                                                                   | Operating system                               | Windows® Embedded Standard 2009                                                                                            | Windows® 7 Ultimate 64-bit           |  |
|                                                                                   | Overall dimensions (W x H x D)/Cut-out (W x H) |                                                                                                                            | 313 x 239 x 60 mm/307.25 x 233.25 mm |  |
| Temperature                                                                       | During operation                               | 0...50 °C, conforming to IEC 61132-2, UL 508                                                                               |                                      |  |
| Vibration resistance during operation                                             | Continuous                                     | 1.75 mm amplitude from 2...9 Hz, 0.5 g from 9...200 Hz (conforming to IEC 60068-2-6 Fc)                                    |                                      |  |
|                                                                                   | Non-continuous                                 | 3.5 mm amplitude from 2...9 Hz, 1 g from 9...200 Hz (conforming to IEC 60068-2-6 Fc)                                       |                                      |  |
|                                                                                   | Merchant navy IACS E10                         | 1 mm amplitude from 3...13.2 Hz, 0.7 g from 13.2...100 Hz, 90 minutes endurance                                            |                                      |  |
| Shock resistance                                                                  | During operation                               | 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                            |                                      |  |
| Standards and certifications                                                      |                                                | CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST |                                      |  |
| Software                                                                          | Vijeo Designer Run Time Demo                   |                                                                                                                            |                                      |  |
| References of Aluminium bezel versions                                            | 24 V ~                                         | HMIPUC6D0E01                                                                                                               | HMIPUF6D0701                         |  |
|                                                                                   | 100...240 V ~                                  | HMIPUC6A0E01                                                                                                               | HMIPUF6A0701                         |  |
| Pages                                                                             | 2/13                                           |                                                                                                                            |                                      |  |
| Made-to-order configuration                                                       | See configured Magelis Panel PC on page 2/27   |                                                                                                                            |                                      |  |

(1) Other options (interface for backup battery, 3<sup>rd</sup> RS232/422/485 port, SRAM, PCI/Express® slots, extended RAM, etc.) to be installed by user or in made-to-order configuration (see page 2/27).  
(2) Half size PCI 2.2 32-bit and half size PCI Express® 1.0 8x 2 Gb/s  
(3) Conforming to IEC 60068-2-6 Fc.

| Universal range - 12" touch screen                                                                                                      |       | Performance range - 12" touch screen                                            |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------|--|
| Standard (with Aluminium bezel)                                                                                                         |       | Maintenance-free (with Aluminium bezel)                                         |  |
| Standard (with Aluminium bezel)                                                                                                         |       |                                                                                 |  |
|                                                      |       |                                                                                 |  |
| ★★★★★                                                                                                                                   | ★★★★★ | —                                                                               |  |
| —                                                                                                                                       | ★★★★★ | —                                                                               |  |
| 12" LCD TFT LED touch screen                                                                                                            |       |                                                                                 |  |
| XGA 1024 x 768, 16 million colors                                                                                                       |       |                                                                                 |  |
| IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door                                                 |       |                                                                                 |  |
| Aluminum                                                                                                                                |       |                                                                                 |  |
| Intel® iCore™ 3 <sup>rd</sup> generation 827E low power                                                                                 |       | Intel® i3 iCore™ 3 <sup>rd</sup> generation 3217UE dual core low power          |  |
| 1 (user exchangable)                                                                                                                    |       | 1 (user exchangable)                                                            |  |
| Hard disk enterprise 24/7 ≥ 500 GB                                                                                                      |       | Flash disk ≥ 60 GB<br>Hard disk enterprise 24/7 ≥ 500 GB                        |  |
| 1 CFast + 1 Slide-in Compact                                                                                                            |       | 1 CFast + 1 Slide-in Compact + 1 slide-in (of Slots expansion module)           |  |
| 2 GB in 1 slot, user extendable (1)                                                                                                     |       | 4 Gb in 1 slot, user extendable (1)                                             |  |
| (to be added by user) (1)                                                                                                               |       | 1 PCI + 1 Express® + 1 slide-in (Slots expansion module removable by user) (2)  |  |
| (to be added by user) (1)                                                                                                               |       | 1 (in slide-in of Slots expansion module)                                       |  |
| 2x Ethernet 10/100/1000 Mbps                                                                                                            |       |                                                                                 |  |
| 1x USB 2.0 (5 A) on the front panel + 4x USB 3.0 (depending on OS and driver support at the bottom)                                     |       |                                                                                 |  |
| 2 x RS232C                                                                                                                              |       |                                                                                 |  |
| 2 interface modules slots user accessible (1)                                                                                           |       |                                                                                 |  |
| —                                                                                                                                       |       | Require 2 HDD (1 in slide compact and 1 slide-in of the Slots expansion module) |  |
| Windows® 7 Ultimate 64-bit                                                                                                              |       |                                                                                 |  |
| 313 x 239 x 60 mm/307.25 x 233.25 mm                                                                                                    |       | 313 x 239 x 135 mm/307.25 x 233.25 mm                                           |  |
| 0...50 °C, conforming to IEC 61132-2, UL 508                                                                                            |       |                                                                                 |  |
| 0.125 g from 5...100 Hz                                                                                                                 |       | 0.125 g from 5...100 Hz                                                         |  |
|                                                                                                                                         |       |                                                                                 |  |
| 0.250 g from 5...100 Hz                                                                                                                 |       | 0.250 g from 5...100 Hz                                                         |  |
|                                                                                                                                         |       |                                                                                 |  |
| —                                                                                                                                       |       |                                                                                 |  |
| 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                         |       |                                                                                 |  |
| CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST              |       |                                                                                 |  |
| 21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC) and requires additional SRAM interface HMIYPINSRAM61 (1) |       |                                                                                 |  |
| HMIPUH7D0P01                                                                                                                            |       | (by user removable AC module)                                                   |  |
| HMIPUH7A0P01                                                                                                                            |       | HMIPPF6A2701                                                                    |  |
|                                                                                                                                         |       | HMIPPH6A2701                                                                    |  |
|                                                                                                                                         |       |                                                                                 |  |
| See configured Magelis Panel PC on page 2/13                                                                                            |       |                                                                                 |  |

# Industrial PCs

Magelis™ iPCs certified for automation

Magelis™ Panel PC

Universal and Performance ranges with 12" touch screen

2



12" Magelis Universal Panel PC



12" Magelis Performance Panel PC

## Presentation

The Magelis Panel PC Universal and Performance ranges with 12" touch screen offer products that are rugged and certified for automation applications. They are suitable for various uses in the following environments:

- Maintenance-free
- Harsh
- Standard

The ultra-modular design of Panel PCs with 12" touch screen allows user to adapt the units configuration. Main options like interface for backup battery, 3<sup>rd</sup> RS232/422/485 port, SRAM, PCI/PCI Express® slots, extended RAM, fan if any, and AC power module are all user accessible. The 12" touch screen is an XGA LCD TFT LED 16 million color touch screen with IP 65 front panel protection when mounted on a panel or an enclosure door.

This modularity provides a complete and coherent offer. In addition, Magelis Panel PCs can be made-to-order (see page 2/27) or adapted by the user himself according to the current and future needs.

The Panel PCs are equipped with powerful iCore 3<sup>rd</sup> generation CPUs having extended graphic capabilities. These low power consumption CPUs when combined with aluminum die cast housing technology improves heat dissipation and allows fanless operations.

## Overview of the range

### Magelis Panel PC Universal with 12" touch screen (1)

The Magelis Panel PC Universal range with 12" touch screen is equipped with a low power Intel® iCore 3<sup>rd</sup> generation 827E and user-expandable DDR3 RAM.

This range is designed for the following environments:

- Maintenance-free (fanless, with non-rotating storage drive):
  - **HMIPUC6D0E01 and HMIPUC6A0E02:**
    - No default PCI/PCI Express® slots, but Slots expansion module can be mounted by user
    - CFast card/Windows® Embedded Standard 2009
    - 24 V  $\overline{\text{---}}$  power supply or 100...240 V  $\sim$  power supply module pre-mounted
  - **HMIPUF6D0701 and HMIPUF6A0701:**
    - No default PCI/PCI Express® slots, but Slots expansion module can be mounted by user
    - Flash disk SSD/Windows® 7 Ultimate 64-bit
    - 24 V  $\overline{\text{---}}$  power supply or 100...240 V  $\sim$  power supply module pre-mounted
- Standard industrial environments (with Hard disk):
  - **HMIPUH6D0701 and HMIPUH6A0701:**
    - No default PCI/PCI Express® slots, but Slots expansion module can be mounted by user
    - Hard disk/Windows® 7 Ultimate 64-bit
    - 24 V  $\overline{\text{---}}$  power supply or 100...240 V  $\sim$  power supply module pre-mounted

(1) For description, see pages 2/10 to 2/12.

## Presentation (continued)

### Overview of the range (continued)

#### Magelis Panel PC Performance with 12" touch screen (1)

The Magelis Panel PC Performance range with 12" touch screen is equipped with a low power Intel® i3 iCore 3<sup>rd</sup> generation 3217UE and user-expandable DDR3 RAM.

This range is designed for the following environments:

- Maintenance-free (fanless, with non-rotating storage drive):
  - **HMIPPF6A2701**
    - 1 PCI + PCI Express® (Half size PCI 2.2 32-bit and half size PCI Express® 1.0 8x 2 Gbps).
    - DVD-RW
    - Flash disk SSD/Windows® 7 Ultimate 64-bit
    - 100...240 V a power supply module pre-mounted (user removable access to 24 V ~ power supply)
- Standard industrial environments (with Hard disk):
  - **HMIPPH6A2701**:
    - 1 PCI + PCI Express® (Half size PCI 2.2 32-bit and half size PCI Express® 1.0 8x 2 Gbps).
    - DVD-RW
    - Hard Disk/Windows® 7 Ultimate 64-bit
    - 100...240 V ~ power supply module pre-mounted (user removable access to 24 V ~ power supply)

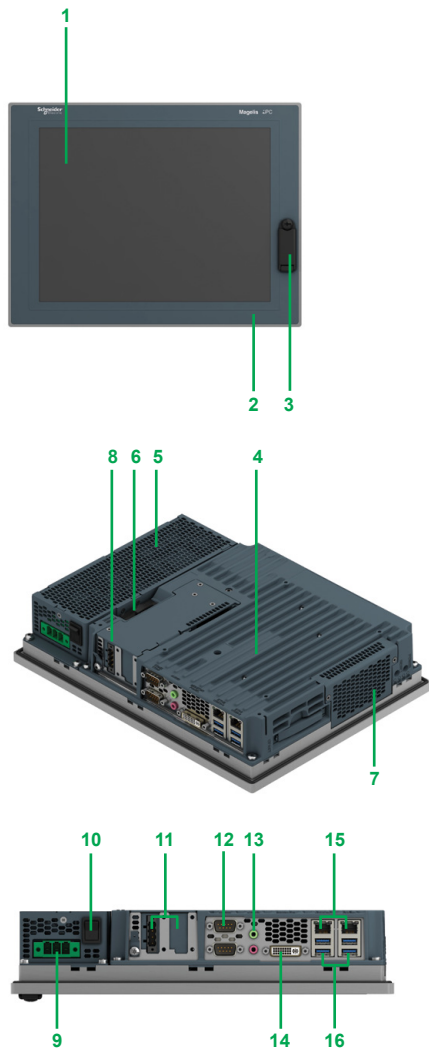
#### Made-to-order Magelis Panel PC Universal and Performance ranges

On Magelis Panel PC Universal and Performance bases, it is possible to configure the units by selecting:

- The capacity of the Compact Flash cards, CFast cards, Flash disk SSD and RAM
- The number of PCI and PCI Express® slots
- The operating system and dedicated HMI software
- Additional options: Internal RAID with 2 redundant Hard disks, interface for backup battery, power supply module, third RS 485 port

For more information on HMIPCC offer, see page 2/29.

(1) For description, see pages 2/10 to 2/12.



## Description

### Magelis Universal and Performance Panel PC: 12" (aluminium bezel)

#### Front panel

- 1 12" LCD TFT LED touch screen, XGA 1024 x 768, 16 million colors for **HMI●●●6●●●●●●**:
  - Brightness: 500 cd/m<sup>2</sup> (stepless adjustable)
  - Type of touch panel: Analog resistive film, resolution 12-bit
  - Typical viewing angle: 80° (vertically)/80° (horizontally)
  - LED life span > 50 000 H at 25 °C (77 °F)
- 2 Aluminum alloy front panel providing IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door; mounted on 1.6...9 mm thick support using the screw fasteners supplied (1)
- 3 USB 2.0 port (0.5 A max.) with screw-on captive protective cover

### Magelis Universal and Performance Panel PC: 12", without Slots expansion module

#### Rear panel

- 4 Aluminum die cast housing for improved heat dissipation. Combined with low power iCore 3<sup>rd</sup> generation CPUs, this technology allows fanless operations with static drives, up to 50 °C environment (1).
- 5 AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6... 2A) pre-mounted on Panel PC 12" **HMI●●●●6A●●●●** and user removable, or direct access to DC power connector for **HMI●●●●6D●●●●** (24 V ~ ±/-25 %, 130 W max.) (2).
- 6 User access to internal battery backing up real-time clock (RTC) and BIOS settings
- 7 User access to the 2x DDR3 RAM slots and the Slide-in compact slot for storage drive
- 8 User access to interface module slots and mount Slot expansion module **HMI●●●●6D●●●●** (3).

#### Underside

- 9 Connector for AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6...2A) pre-mounted on Panel PC 12" **HMI●●●●6A●●●●** and user removable, or direct access to DC power connector
- 10 On/Off switch for AC power module **HMIYPMAC61** pre-mounted on Panel PC 12" **HMI●●●●6A●●●●**
- 11 2 slots for interface modules with following restrictions:

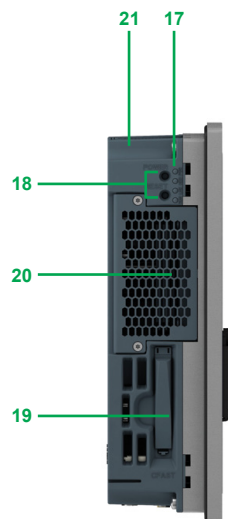
| Panel PC                           | Part Number           | Slot 1 | Slot 2 |
|------------------------------------|-----------------------|--------|--------|
| UPS interface module (3)           | <b>HMIYPUPIST61</b>   | X      | –      |
| SRAM interface module (3)          | <b>HMIYPIINSRAM61</b> | –      | X      |
| RS232/422/485 interface module (3) | <b>HMIYPIINSL61</b>   | X      | X      |

- 12 2 RS232C ports
- 13 Micro input, line input/line output
- 14 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) (3)
- 15 2 Ethernet 10/100/1000 Mbps ports
- 16 4 USB 3.0 ports (1 A max.)

(1) For installation, please refer to the "product data sheet" on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) Consumption excluding additional PCI/PCI Express® card.

(3) To be ordered separately as an accessory (see pages 2/26 and 2/27).



## Description (continued)

Magelis Universal and Performance Panel PC: 12", without Slots  
expansion module

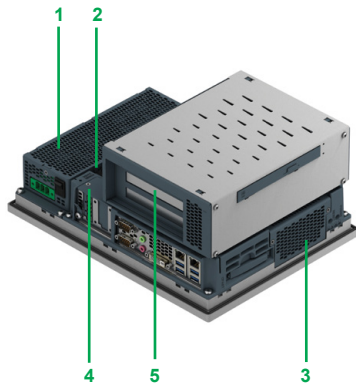
## Side panel

- 17** 4 status and power supply LEDs
- 18** 2 pushbuttons: 1 for power supply and 1 for resetting
- 19** Slot for CFast card:
  - With CFast (SLC technology) ≥ 4 GB (Panel PC **HMIPUC●D0E01**)
  - Free slot (Panel PC **HMIP●●F6●0●●1**, **HMIP●H6●●0●●1**)
- 20** User access to the 2x DDR3 RAM slots expandable up to 16 GB and the Slide-in compact slot for storage drive:
  - With 2 GB RAM in 1 slot (Panel PC **HMIPUC6●0E01**). Free slide-in compact slot can be used directly for an additional Flash disk SSD, Hard disk SSD or with adaptor (**HMIYADCFast61**) (3) for a second CFast
  - With 2 GB RAM in 1 slot + Flash disk SSD ≥ 60 GB (Panel PC **HMIPUF6●0701**)
  - With 2 GB RAM in 1 slot + Hard disk ≥ 500 GB (Panel PC **HMIPUF6●0701**)
- 21** User access to fan (Panel PC **HMIP●H6●●●●●●**) (4) or natural convection (Panel PC **HMIP●C6●●●●●●** and **HMIP●F6●●●●●●**)

(3) To be ordered separately as an accessory (see page 2/26).

(4) User can add or replace fan, with fan kit **HMIYPFKT061** (to be ordered separately, see page 2/26).





## Description (continued)

## Magelis Universal and Performance Panel PC: 12", with Slots expansion module

## Rear panel

- 1 AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6...2A) pre-mounted on Panel PC 12" **HMI●●●6A●●●** and user removable, or direct access to DC power connector (24 V ~ +/-25 %, 130 W max.) (2).
- 2 User access to internal battery, backing up real-time clock (RTC) and BIOS settings
- 3 User access to the 2x DDR3 RAM slots and the Slide-in compact slot for storage drive
- 4 User access to interface module slots
- 5 Slot expansion module pre-mounted on Panel PC **HMIPP●6●2●●●**

## Underside

- 6 Connector for AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6...2A) pre-mounted on Panel PC 12" **HMI●●●6A●●●**, or direct access to DC power connector
- 7 On/Off switch for AC power module **HMIYPMAC61** pre-mounted on Panel PC 12" **HMI●●●6A●●●**
- 8 2 slots for interface modules with following restrictions:

| Panel PC                           | Part Number          | Slot 1 | Slot 2 |
|------------------------------------|----------------------|--------|--------|
| UPS interface module (3)           | <b>HMIYPUISINT61</b> | X      | –      |
| SRAM interface module (3)          | <b>HMIYPINSRAM61</b> | –      | X      |
| RS232/422/485 interface module (3) | <b>HMIYPINSL61</b>   | X      | X      |

- 9 2 RS232C ports
- 10 Micro input, line input/line output
- 11 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) (3)
- 12 2 Ethernet 10/100/1000 Mbps ports
- 13 4 USB 3.0 ports (1 A max.)
- 14 Slots expansion module (Panel PC **HMIPP●6A2701**)
- 15 Slot for half size PCI Express® 1.0 8x 2 Gbps
- 16 Slot for half size PCI 2.2 32-bit

## Side panel

- 17 4 status and power supply LEDs
- 18 2 pushbuttons: 1 for power supply and 1 for resetting
- 19 User access to the 2x DDR3 RAM slots which is expandable up to 16 GB and the Slide-in compact slot for storage drive:
  - ☐ With 4 GB RAM in 1 slot + Hard Disk ≥ 500 GB (Panel PC **HMIPPF6A2701**)
  - ☐ With 4 GB RAM in 1 slot + Flash disk SSD ≥ 60 GB (Panel PC **HMIPPH6A2701**)
- 20 Slot for CFast card:
  - ☐ Free slot (Panel PC **HMIPP●6●2●●●1**)
- 21 Slots expansion module (Panel PC **HMIPP●6A2701**)
- 22 Slide-in slot with the DVD-RW drive included (4). Can be used for an additional storage disk with adaptor (**HMIYADSLIDEIN61**) (3)
- 23 User access to fan (Panel PC **HMIP●H6●●●●●**) (5) or natural convection (Panel PC **HMIP●C6●●●●●** and **HMIP●F6●●●●●**)

(1) For installation, please refer to the "user manual" on our website [www.schneider-electric.com](http://www.schneider-electric.com).

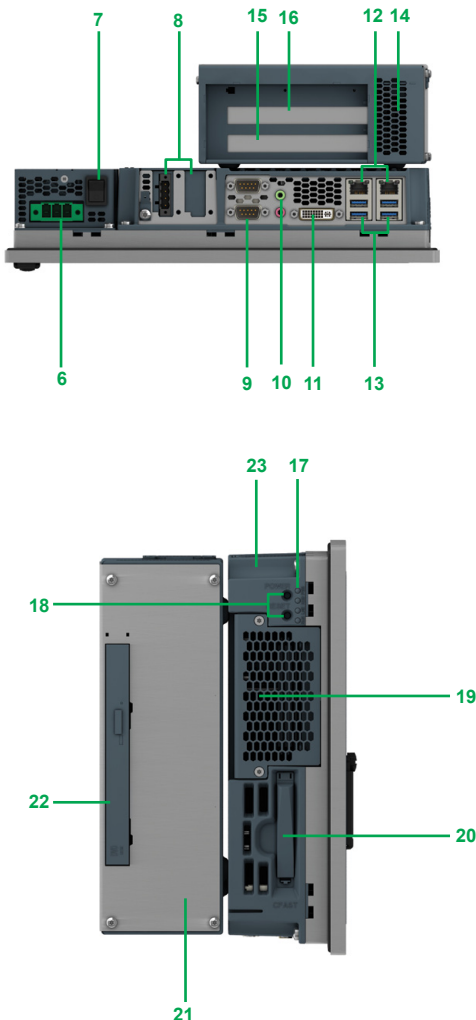
(2) Consumption excluding additional PCI/PCI Express® card.

(3) To be ordered separately as an accessory (see pages 2/26 and 2/27).

(4) Operating temperature details available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(5) User can add or replace fan, with fan kit **HMIYPFKT061** (to be ordered separately, see page 2/26).

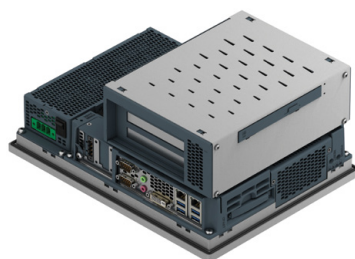
(6) SRAM interface modules must be installed to run Vijeo Designer Run Time.



## Industrial PCs

Magelis™ iPCs certified for automation

Magelis™ Panel PC

Universal and Performance ranges with  
12" touch screenHMIPUC6D0E01  
(Screen side)HMIPUC6D0E01  
CPU sideHMIPPF6A2701  
(Screen side)HMIPPF6A2701  
CPU side

## Magelis Universal Panel PC - 12" LCD TFT LED touch screen (1) (2)

Intel iCore 3<sup>rd</sup> generation 827E low power

| Supply voltage (6)<br>PCI slot          | Operating system                             | Software                      | Storage                                     | DDR3 RAM (3)      | Reference    | Weight kg/lb    |
|-----------------------------------------|----------------------------------------------|-------------------------------|---------------------------------------------|-------------------|--------------|-----------------|
| <b>For maintenance-free environment</b> |                                              |                               |                                             |                   |              |                 |
| 24 V $\sim$<br>No PCI slot              | Windows®<br>Embedded<br>Standard 2009<br>(4) | Vijeo Designer<br>RT Demo (5) | CFlash card $\geq$ 4 GB<br>(SLC technology) | 2 GB in 1<br>slot | HMIPUC6D0E01 | 4.000/<br>8.818 |
| 240 V $\sim$<br>No PCI slot             | Windows®<br>Embedded<br>Standard 2009<br>(4) | Vijeo Designer<br>RT Demo (5) | CFlash card $\geq$ 4 GB<br>(SLC technology) | 2 GB in 1<br>slot | HMIPUC6A0E01 | 4.000/<br>8.818 |

|                             |                               |                               |                             |                   |              |                 |
|-----------------------------|-------------------------------|-------------------------------|-----------------------------|-------------------|--------------|-----------------|
| 24 V $\sim$<br>No PCI slot  | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (5) | Flash disk SSD $\geq$ 60 GB | 2 GB in 1<br>slot | HMIPUF6D0701 | 4.000/<br>8.818 |
| 240 V $\sim$<br>No PCI slot | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (5) | Flash disk SSD $\geq$ 60 GB | 2 GB in 1<br>slot | HMIPUF6A0701 | 4.000/<br>8.818 |

## For standard industrial environment

|                            |                               |                               |                                            |                   |              |                 |
|----------------------------|-------------------------------|-------------------------------|--------------------------------------------|-------------------|--------------|-----------------|
| 24 V $\sim$<br>No PCI slot | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise<br>24/7 $\geq$ 500 GB | 2 GB in 1<br>slot | HMIPUH6D0701 | 4.000/<br>8.818 |
| 24 V $\sim$<br>No PCI slot | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise<br>24/7 $\geq$ 500 GB | 2 GB in 1<br>slot | HMIPUH6A0701 | 4.000/<br>8.818 |

## Magelis Performance Panel PC - 12" LCD TFT LED touch screen (1) (2)

Intel i3 iCore 3<sup>rd</sup> generation 3217UE dual core low power

| Supply voltage (6)<br>PCI slot              | Operating system              | Software                      | Storage                                    | DDR3 RAM (3)      | Reference    | Weight kg/lb    |
|---------------------------------------------|-------------------------------|-------------------------------|--------------------------------------------|-------------------|--------------|-----------------|
| <b>For maintenance-free environment</b>     |                               |                               |                                            |                   |              |                 |
| 240 V $\sim$<br>2 PCI/ PCI<br>Express® slot | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (5) | Flash disk SSD $\geq$ 60 GB                | 4 GB in 1<br>slot | HMIPPF6A2701 | 4.200/<br>9.259 |
| <b>For standard industrial environment</b>  |                               |                               |                                            |                   |              |                 |
| 240 V $\sim$<br>2 PCI/ PCI<br>Express® slot | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise<br>24/7 $\geq$ 500 GB | 4 GB in 1<br>slot | HMIPPH6A2701 | 4.200/<br>9.259 |

(1) 12" touch screen: XGA 1024 x 768, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.

(2) For separate components and software, see page 2/27.

(3) Memory capacity user-expandable up to 16 GB in 2 slots.

(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Acrobat Reader, Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
- Vijeo Citect Web Client
- Vijeo Designer Run Time Demo (5)

(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) + requires additional SRAM interface HMIYPINSRAM61, see page 2/26.

(6) AC models come with removable AC to DC power module and the user can also mount additional AC power module HMIYPMAC61 in DC models, see page 2/26.



Industrial PCs  
Magelis™ iPCs certified for automation  
Magelis™ Panel PC  
Universal and Performance ranges with 15" touch screen

| Type                                             |                                         | Universal range - 15" touch screen (no PCI slot)                                                                                                                                                                                               |                                          |                                    |
|--------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------|
| Industrial environments                          |                                         | Maintenance-free (with Aluminium bezel)                                                                                                                                                                                                        |                                          | Standard (with Aluminium bezel)    |
|                                                  |                                         |                                                                                                                                                               |                                          |                                    |
| Fanless                                          |                                         | ★★★★★                                                                                                                                                                                                                                          | ★★★★★                                    | ★★★★★                              |
| Non rotative storage drive                       |                                         | ★★★★★                                                                                                                                                                                                                                          | ★★★★★                                    | —                                  |
| Screen                                           | Type                                    | 15" LCD TFT LED touch screen                                                                                                                                                                                                                   |                                          |                                    |
|                                                  | Definition                              | XGA 1024 x 768, 16 million colors                                                                                                                                                                                                              |                                          |                                    |
|                                                  | Degree of protection                    | IP 65 and Nema 4x indoor front panel protection when mounted on panel or enclosure door                                                                                                                                                        |                                          |                                    |
|                                                  | Front panel bezel material              | Aluminum                                                                                                                                                                                                                                       |                                          |                                    |
| CPU (1)                                          | Processor                               | Intel® ATOM™ N270 (1.6 GHz)                                                                                                                                                                                                                    |                                          |                                    |
|                                                  | PCI slot                                | —                                                                                                                                                                                                                                              |                                          |                                    |
|                                                  | Storage                                 | Compact Flash card ≥ 4 GB (SLC technology)                                                                                                                                                                                                     | Flash disk SSD ≥ 60 GB                   | Hard disk enterprise 24/7 ≥ 500 GB |
|                                                  |                                         | 1 GB                                                                                                                                                                                                                                           | HMIPUF7●0P01: 1 GB<br>HMIPUF7D0PL1: 2 GB | 1 GB                               |
|                                                  | RAM (2)                                 | —                                                                                                                                                                                                                                              |                                          |                                    |
|                                                  | Integrated DVD-RW drive                 | 1x slide-in compact rack for storage disk                                                                                                                                                                                                      |                                          |                                    |
|                                                  | Slide-in rack for peripheral device     |                                                                                                                                                                                                                                                |                                          |                                    |
|                                                  | Integrated ports                        | 2x Ethernet 10/100/1000 Mbps<br>1x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top<br>2x RS232C/1x DVI (VGA RGB adaptor, optional)<br>1x RS232C/RS422/RS485 (option only available in made-to-order configuration) (1) |                                          |                                    |
|                                                  | Optional ports                          | —                                                                                                                                                                                                                                              |                                          |                                    |
|                                                  | Optional RAID PCI card                  |                                                                                                                                                                                                                                                |                                          |                                    |
|                                                  | Operating system                        |                                                                                                                                                                                                                                                | Windows® Embedded Standard 2009          | Windows® XP Professional SP3       |
| Overall dimensions (W x H x D)/Cut-out (W x H)   |                                         | 402 x 301 x 104 mm/Cut-out: 383.5 x 282.5 mm                                                                                                                                                                                                   |                                          |                                    |
| Temperature                                      | During operation                        | 0...50 °C, conforming to IEC 61132-2, UL 508                                                                                                                                                                                                   |                                          |                                    |
| Vibration resistance during operation            | Continuous                              | 1.75 mm amplitude from 2...9 Hz, 0.5 g from 9...200 Hz (conforming to IEC 60068-2-6 Fc)                                                                                                                                                        |                                          | 0.125 g from 5...100 Hz            |
|                                                  | Non-continuous                          | 3.5 mm amplitude from 2...9 Hz, 1 g from 9...200 Hz (conforming to IEC 60068-2-6 Fc)                                                                                                                                                           |                                          | 0.250 g from 5...100 Hz            |
|                                                  |                                         | 1 mm amplitude from 3...13.2 Hz, 0.7 g from 13.2...100 Hz, 90 minutes endurance                                                                                                                                                                |                                          | —                                  |
| Shock resistance                                 | During operation                        | 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                                                                                                                                |                                          |                                    |
| Standards and certifications                     |                                         | CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST                                                                                                                     |                                          |                                    |
| Marine certif.                                   | Germanischer Lloyd (Bridge Class)       | 24 V ~ only with additional power supply filter HMIYLFIMAR11                                                                                                                                                                                   |                                          | —                                  |
| ATEX certification                               |                                         | —                                                                                                                                                                                                                                              |                                          |                                    |
| Software                                         | Vijeo Designer Run Time Demo            | 21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)                                                                                                                                                                 |                                          |                                    |
| References of Aluminium bezel versions (1)       | 24 V ~                                  | HMIPUC7D0E01                                                                                                                                                                                                                                   | HMIPUF7D0P01                             | HMIPUH7D0P01                       |
|                                                  | 24 V ~ Vijeo Citect Lite 1200 I/O       | —                                                                                                                                                                                                                                              | HMIPUF7D0PL1                             | —                                  |
|                                                  | 24 V ~ Interface for battery            | —                                                                                                                                                                                                                                              | —                                        | —                                  |
|                                                  | 24 V ~ Vijeo Citect Full 500 I/O        | —                                                                                                                                                                                                                                              | —                                        | —                                  |
|                                                  | 100...240 V ~                           | —                                                                                                                                                                                                                                              | HMIPUF7A0P01                             | HMIPUH7A0P01                       |
|                                                  | 100...240 V ~ Vijeo Citect Full 500 I/O | —                                                                                                                                                                                                                                              | —                                        | —                                  |
| References of Stainless steel bezel versions (1) | 24 V ~                                  | —                                                                                                                                                                                                                                              | —                                        | —                                  |
|                                                  | 100...240 V ~                           | —                                                                                                                                                                                                                                              | —                                        | —                                  |
| Pages                                            |                                         | 2/22                                                                                                                                                                                                                                           |                                          |                                    |
| Made-to-order configuration                      |                                         | See configured Magelis Panel PC on page 2/29                                                                                                                                                                                                   |                                          |                                    |

(1) Other options available (interface for backup battery, 3<sup>rd</sup> serial port, etc.) in made-to-order configuration (see page 2/26).  
(2) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/26).

| Universal range (2 PCI slots)                                                                                                                                                                                                                                |                                                    | Performance range (no PCI slot)                           |                                    | Performance range (2 PCI slots)                                                                                                                                       |                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Maintenance-free (with Aluminium or Stainless steel bezel)                                                                                                                                                                                                   | Standard (with Aluminium or Stainless steel bezel) | Harsh (with Aluminium bezel)                              | Standard (with Aluminium bezel)    | Harsh (with Aluminium bezel)                                                                                                                                          | Standard (with Aluminium or Stainless steel bezel) |
|                                                                                                                                                                           |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| ★★★★★                                                                                                                                                                                                                                                        | ★★★★★                                              | —                                                         | —                                  | —                                                                                                                                                                     | —                                                  |
| ★★★★★                                                                                                                                                                                                                                                        | —                                                  | ★★★★★                                                     | —                                  | ★★★★★                                                                                                                                                                 | —                                                  |
| 15" LCD TFT LED touch screen                                                                                                                                                                                                                                 |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| XGA 1024 x 768, 16 million colors                                                                                                                                                                                                                            |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door                                                                                                                                                                      |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| Aluminium or Stainless steel                                                                                                                                                                                                                                 |                                                    | Aluminum                                                  |                                    |                                                                                                                                                                       | Aluminium or Stainless steel                       |
| Intel® ATOM™ N270 (1.6 GHz)                                                                                                                                                                                                                                  |                                                    | Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset |                                    |                                                                                                                                                                       |                                                    |
| 2 (1 PCI + 1 PCI Express®)                                                                                                                                                                                                                                   |                                                    | —                                                         |                                    | 2 (1 PCI + 1 PCI Express®)                                                                                                                                            |                                                    |
| Flash disk SSD ≥ 60 GB                                                                                                                                                                                                                                       | Hard disk enterprise 24/7 ≥ 500 GB                 | Flash disk SSD ≥ 60 GB                                    | Hard disk enterprise 24/7 ≥ 500 GB | Flash disk SSD ≥ 60 GB                                                                                                                                                | Hard disk enterprise 24/7 ≥ 500 GB                 |
| HMIP●F7A2P01: 1 GB<br>HMIPUF7A2PF1: 2 GB                                                                                                                                                                                                                     | 1 GB                                               | HMIPPF7D0701: 2 GB<br>HMIPPF7D07F1: 4 GB                  | 2 GB                               | HMIP●F7A2701: 2 GB<br>HMIPPF7A27F1: 4 GB                                                                                                                              | 2 GB                                               |
| 1                                                                                                                                                                                                                                                            |                                                    | —                                                         |                                    | 1                                                                                                                                                                     |                                                    |
| 1x slide-in compact rack for storage disk (Flash disk or Hard disk included)<br>1x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)                                                                                          |                                                    | 1 x slide-in compact rack for storage disk                |                                    | 1 x slide-in compact rack for storage disk (Flash disk or Hard disk included)<br>1 x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional) |                                                    |
| 2x Ethernet 10/100/1000 Mbps                                                                                                                                                                                                                                 |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| 1x USB 2.0 (1 A) on the front panel (only for aluminium bezel version) + 4 x USB 2.0 (0.5 and 1 A) at the top (for all models)                                                                                                                               |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| 2x RS232C/1 x DVI (VGA RGB adaptor, optional)                                                                                                                                                                                                                |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| 1x RS232C/RS422/RS485 (option only available in made-to-order configuration) (1)                                                                                                                                                                             |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)                                                                                                                                                                                      |                                                    | —                                                         |                                    | HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)                                                                                               |                                                    |
| Windows® XP Professional SP3                                                                                                                                                                                                                                 |                                                    | Windows® 7 Ultimate 64-bit                                |                                    |                                                                                                                                                                       |                                                    |
| 402 x 301 x 153 mm/Cut-out: 383.5 x 282.5 mm                                                                                                                                                                                                                 |                                                    | 402 x 301 x 119 mm/Cut-out: 383.5 x 282.5 mm              |                                    | 402 x 301 x 168 mm/Cut-out: 383.5 x 282.5 mm                                                                                                                          |                                                    |
| 0...50 °C, conforming to IEC 61132-2, UL 508                                                                                                                                                                                                                 |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| 1.75 mm from 2...9 Hz,<br>0.5 g from 9...200 Hz (3)                                                                                                                                                                                                          | 0.125 g from 5...100 Hz                            | 1.75 mm from 2...9 Hz,<br>0.5 g from 9...200 Hz (3)       | 0.125 g from 5...100 Hz            | 1.75 mm from 2...9 Hz,<br>0.5 g from 9...200 Hz (3)                                                                                                                   | 0.125 g from 5...100 Hz                            |
| 3.5 mm from 2...9 Hz,<br>1 g from 9...200 Hz (3)                                                                                                                                                                                                             | 0.250 g from 5...100 Hz                            | 3.5 mm from 2...9 Hz,<br>1 g from 9...200 Hz (3)          | 0.250 g from 5...100 Hz            | 3.5 mm from 2...9 Hz,<br>1 g from 9...200 Hz (3)                                                                                                                      | 0.250 g from 5...100 Hz                            |
| —                                                                                                                                                                                                                                                            |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                                                                                                                                              |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| □ CĈ, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST<br>□ EN 1672-2 Food and beverage processing machines and FDA 21CFR 177.206 specific seals (Stainless steel bezel versions only) |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| —                                                                                                                                                                                                                                                            |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| ATEX II 3 Dust zone 22 (Stainless steel bezel versions only)                                                                                                                                                                                                 |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| 21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)                                                                                                                                                                               |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |
| —                                                                                                                                                                                                                                                            | HMIPUH7D2P01                                       | HMIPPF7D0701                                              | HMIPPH7D0701                       | —                                                                                                                                                                     | HMIPPH7D2701                                       |
| —                                                                                                                                                                                                                                                            | —                                                  | —                                                         | —                                  | —                                                                                                                                                                     | —                                                  |
| —                                                                                                                                                                                                                                                            | —                                                  | —                                                         | —                                  | —                                                                                                                                                                     | HMIPPH7B2701                                       |
| —                                                                                                                                                                                                                                                            | —                                                  | HMIPPF7D07F1                                              | —                                  | —                                                                                                                                                                     | —                                                  |
| HMIPUF7A2P01                                                                                                                                                                                                                                                 | HMIPUH7A2P01                                       | —                                                         | HMIPPH7A0701                       | HMIPPF7A2701                                                                                                                                                          | HMIPPH7A2701                                       |
| HMIPUF7A2PF1                                                                                                                                                                                                                                                 | —                                                  | —                                                         | —                                  | HMIPPF7A27F1                                                                                                                                                          | —                                                  |
| HMIP7D2P01                                                                                                                                                                                                                                                   | HMIP7D2P01                                         | —                                                         | —                                  | —                                                                                                                                                                     | —                                                  |
| —                                                                                                                                                                                                                                                            | —                                                  | —                                                         | —                                  | —                                                                                                                                                                     | HMIPRH7A2701                                       |
| 2/22                                                                                                                                                                                                                                                         |                                                    | 2/23                                                      |                                    |                                                                                                                                                                       |                                                    |
| See configured Magelis Panel PC on page 2/29                                                                                                                                                                                                                 |                                                    |                                                           |                                    |                                                                                                                                                                       |                                                    |

(3) Conforming to IEC 60068-2-6 Fc.



Industrial PCs  
Magelis™ iPCs certified for automation  
Magelis™ Panel PC  
Universal and Performance ranges with 19" touch screen

|                         |                                                  |                                 |
|-------------------------|--------------------------------------------------|---------------------------------|
| Type                    | Universal range - 19" touch screen (no PCI slot) |                                 |
| Industrial environments | Maintenance-free (with Aluminium bezel)          | Standard (with Aluminium bezel) |



|                                       |                                                |                                                                                                                                                                                                                                               |                                              |                                    |  |
|---------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------|--|
| Fanless                               |                                                | ★★★★★                                                                                                                                                                                                                                         | ★★★★★                                        | ★★★★★                              |  |
| Non-rotative storage drive            |                                                | ★★★★★                                                                                                                                                                                                                                         | ★★★★★                                        | —                                  |  |
| Screen                                | Type                                           | 19" LCD TFT LED touch screen                                                                                                                                                                                                                  |                                              |                                    |  |
|                                       | Resolution                                     | SXGA 1280 x 1024, 16 million colors                                                                                                                                                                                                           |                                              |                                    |  |
|                                       | Degree of protection                           | IP 65 and Nema 4x indoor front panel protection when mounted on panel or enclosure door                                                                                                                                                       |                                              |                                    |  |
|                                       | Front panel bezel material                     | Aluminum                                                                                                                                                                                                                                      |                                              |                                    |  |
| CPU (1)                               | Processor                                      | Intel® ATOM™ N270 (1.6 GHz)                                                                                                                                                                                                                   |                                              |                                    |  |
|                                       | PCI slot                                       | —                                                                                                                                                                                                                                             |                                              |                                    |  |
|                                       | Storage                                        | Compact Flash card ≥ 4 GB (SLC technology)                                                                                                                                                                                                    | Flash disk SSD ≥ 60 GB                       | Hard disk enterprise 24/7 ≥ 500 GB |  |
|                                       | RAM (2)                                        | 1 GB                                                                                                                                                                                                                                          | HMIPUF9D0P01: 1 GB<br>HMIPUF9D0PF1: 2 GB     | 1 GB                               |  |
|                                       | Integrated DVD-RW drive                        | —                                                                                                                                                                                                                                             |                                              |                                    |  |
|                                       | Slide-in rack for peripheral device            | 1x slide-in compact rack for storage disk                                                                                                                                                                                                     |                                              |                                    |  |
|                                       | Integrated ports                               | 2x Ethernet 10/100/1000 Mbps<br>1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top<br>2x RS232C/1x DVI (VGA RGB adaptor, optional)<br>1x RS232C/RS422/RS485 (option only available in made-to-order configuration) (1) |                                              |                                    |  |
|                                       | Optional ports (1)                             | —                                                                                                                                                                                                                                             |                                              |                                    |  |
|                                       | Optional RAID PCI card                         | —                                                                                                                                                                                                                                             |                                              |                                    |  |
|                                       | Operating system                               |                                                                                                                                                                                                                                               | Windows® Embedded Standard 2009              | Windows® XP Professional SP3       |  |
|                                       | Overall dimensions (W x H x D)/Cut-out (W x H) |                                                                                                                                                                                                                                               | 480 x 380 x 114 mm/Cut-out: 459.5 x 359.5 mm |                                    |  |
|                                       | Temperature                                    | During operation                                                                                                                                                                                                                              | 0...50 °C, conforming to IEC 61132-2, UL 508 |                                    |  |
| Vibration resistance during operation | Continuous                                     | 1.75 mm amplitude from 2...9 Hz, 0.5 g from 9...200 Hz (3)                                                                                                                                                                                    |                                              | 0.125 g from 5...100 Hz            |  |
|                                       | Non-continuous                                 | 3.5 mm amplitude from 2...9 Hz, 1 g from 9...200 Hz (3)                                                                                                                                                                                       |                                              | 0.250 g from 5...100 Hz            |  |
|                                       | Merchant navy IACS E10                         | 1 mm amplitude from 3...13.2 Hz, 0.7 g from 13.2...100 Hz, 90 minutes endurance                                                                                                                                                               |                                              | —                                  |  |
| Shock resistance During operation     |                                                | 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                                                                                                                               |                                              |                                    |  |
| Standards and certifications          |                                                | C€, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST                                                                                                                    |                                              |                                    |  |
| Marine certification                  | Germanischer Lloyd (Bridge Class)              | 24 V ~ only with additional power supply filter HMIYLFIMAR11                                                                                                                                                                                  |                                              | —                                  |  |
| Software                              |                                                | Vijeo Designer Run Time Demo                                                                                                                                                                                                                  |                                              |                                    |  |
| References (1)                        | 24 V ~                                         | 21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)                                                                                                                                                                |                                              |                                    |  |
|                                       | 24 V ~ Vijeo Citect Lite 1200 I/O              | HMIPUC9D0E01                                                                                                                                                                                                                                  | HMIPUF9D0P01                                 | HMIPUH9D0P01                       |  |
|                                       | 24 V ~ Vijeo Citect Full 500 I/O               | —                                                                                                                                                                                                                                             | —                                            | —                                  |  |
|                                       | 100...240 V ~                                  | —                                                                                                                                                                                                                                             | HMIPUF9D0PF1                                 | —                                  |  |
|                                       | 100...240 V ~ Vijeo Citect Full 500 I/O        | —                                                                                                                                                                                                                                             | —                                            | HMIPUH9A0P01                       |  |
| Pages                                 |                                                | 2/24                                                                                                                                                                                                                                          |                                              |                                    |  |
| Made-to-order configuration           |                                                | See configured Magelis Panel PC on page 2/29                                                                                                                                                                                                  |                                              |                                    |  |

(1) Other options available (interface for backup battery, 3<sup>rd</sup> serial port, etc.) in made-to-order configuration (see page 2/26).  
(2) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/26).

|                                                  |                                 |                                                    |                                 |                                                    |                                 |
|--------------------------------------------------|---------------------------------|----------------------------------------------------|---------------------------------|----------------------------------------------------|---------------------------------|
| Universal range - 19" touch screen (2 PCI slots) |                                 | Performance range - 19" touch screen (no PCI slot) |                                 | Performance range - 19" touch screen (2 PCI slots) |                                 |
| Maintenance-free (with Aluminium bezel)          | Standard (with Aluminium bezel) | Harsh (with Aluminium bezel)                       | Standard (with Aluminium bezel) | Harsh (with Aluminium bezel)                       | Standard (with Aluminium bezel) |



|                                                                                                                            |                                    |                                                                                      |                                    |                                                                                      |                                    |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|------------------------------------|
| ★★★★★                                                                                                                      | ★★★★★                              | —                                                                                    | —                                  | —                                                                                    | —                                  |
| ★★★★★                                                                                                                      | —                                  | ★★★★★                                                                                | —                                  | ★★★★★                                                                                | —                                  |
| 19" LCD TFT LED touch screen                                                                                               |                                    |                                                                                      |                                    |                                                                                      |                                    |
| SXGA 1280 x 1024, 16 million colors                                                                                        |                                    |                                                                                      |                                    |                                                                                      |                                    |
| IP 65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door                                    |                                    |                                                                                      |                                    |                                                                                      |                                    |
| Aluminum                                                                                                                   |                                    |                                                                                      |                                    |                                                                                      |                                    |
| Intel® ATOM™ N270 (1.6 GHz)                                                                                                |                                    | Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset                            |                                    |                                                                                      |                                    |
| 2 (1 PCI + 1 PCI Express®)                                                                                                 |                                    | —                                                                                    |                                    | 2 (1 PCI + 1 PCI Express®)                                                           |                                    |
| Flash disk SSD ≥ 60 GB                                                                                                     | Hard disk enterprise 24/7 ≥ 500 GB | Flash disk SSD ≥ 60 GB                                                               | Hard disk enterprise 24/7 ≥ 500 GB | Flash disk SSD ≥ 60 GB                                                               | Hard disk enterprise 24/7 ≥ 500 GB |
| HMIPUF9A2P01: 1 GB<br>HMIPUF9A2PF1: 2 GB                                                                                   | 1 GB                               | HMIPPF9D0701: 2 GB<br>HMIPPF9D07F1: 4 GB                                             | 2 GB                               | HMIPPF9A2701: 2 GB<br>HMIPPF9A27F1: 4 GB                                             | 2 GB                               |
| 1                                                                                                                          |                                    | —                                                                                    |                                    | 1                                                                                    |                                    |
| 1x slide-in compact rack for storage disk (Flash disk or Hard disk included)                                               |                                    | 1 x slide-in compact rack for storage disk                                           |                                    | 1 x slide-in compact rack for storage disk (Flash disk or Hard disk included)        |                                    |
| 1x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)                                        |                                    | 1 x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional) |                                    | 1 x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional) |                                    |
| 2x Ethernet 10/100/1000 Mbps                                                                                               |                                    |                                                                                      |                                    |                                                                                      |                                    |
| 1x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top                                                 |                                    |                                                                                      |                                    |                                                                                      |                                    |
| 2x RS232C/1 x DVI (VGA RGB adaptor, optional)                                                                              |                                    |                                                                                      |                                    |                                                                                      |                                    |
| 1x RS232C/RS422/RS485 (option only available in made-to-order configuration) (1)                                           |                                    |                                                                                      |                                    |                                                                                      |                                    |
| HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)                                                    |                                    | —                                                                                    |                                    | HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)              |                                    |
| Windows® XP Professional SP3                                                                                               |                                    | Windows® 7 Ultimate 64-bit                                                           |                                    |                                                                                      |                                    |
| 480 x 380 x 153 mm/Cut-out: 459.5 x 359.5 mm                                                                               |                                    | 480 x 380 x 129 mm/Cut-out: 459.5 x 359.5 mm                                         |                                    | 480 x 380 x 168 mm/Cut-out: 459.5 x 359.5 mm                                         |                                    |
| 0...50 °C, conforming to IEC 61132-2, UL 508                                                                               |                                    |                                                                                      |                                    |                                                                                      |                                    |
| 1.75 mm from 2...9 Hz,<br>0.5 g from 9...200 Hz (3)                                                                        | 0.125 g from 5...100 Hz            | 1.75 mm from 2...9 Hz,<br>0.5 g from 9...200 Hz (3)                                  | 0.125 g from 5...100 Hz            | 1.75 mm from 2...9 Hz,<br>0.5 g from 9...200 Hz (3)                                  | 0.125 g from 5...100 Hz            |
| 3.5 mm from 2...9 Hz,<br>1 g from 9...200 Hz (3)                                                                           | 0.250 g from 5...100 Hz            | 3.5 mm from 2...9 Hz,<br>1 g from 9...200 Hz (3)                                     | 0.250 g from 5...100 Hz            | 3.5 mm from 2...9 Hz,<br>1 g from 9...200 Hz (3)                                     | 0.250 g from 5...100 Hz            |
| —                                                                                                                          |                                    |                                                                                      |                                    |                                                                                      |                                    |
| 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                            |                                    |                                                                                      |                                    |                                                                                      |                                    |
| CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST |                                    |                                                                                      |                                    |                                                                                      |                                    |
| —                                                                                                                          |                                    |                                                                                      |                                    |                                                                                      |                                    |
| 21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC)                                             |                                    |                                                                                      |                                    |                                                                                      |                                    |
| —                                                                                                                          | HMIPUH9D2P01                       | HMIPPF9D0701                                                                         | HMIPPH9D0701                       | —                                                                                    | HMIPPH9D2701                       |
| —                                                                                                                          | —                                  | —                                                                                    | —                                  | —                                                                                    | —                                  |
| —                                                                                                                          | —                                  | HMIPPF9D07F1                                                                         | —                                  | —                                                                                    | —                                  |
| HMIPUF9A2P01                                                                                                               | HMIPUH9A2P01                       | —                                                                                    | HMIPPH9A0701                       | HMIPPF9A2701                                                                         | HMIPPH9A2701                       |
| HMIPUF9A2PF1                                                                                                               | —                                  | —                                                                                    | —                                  | HMIPPF9A27F1                                                                         | —                                  |
| 2/24                                                                                                                       |                                    | 2/25                                                                                 |                                    |                                                                                      |                                    |
| See configured Magelis Panel PC on page 2/29                                                                               |                                    |                                                                                      |                                    |                                                                                      |                                    |

(3) Conforming to IEC 60068-2-6 Fc.

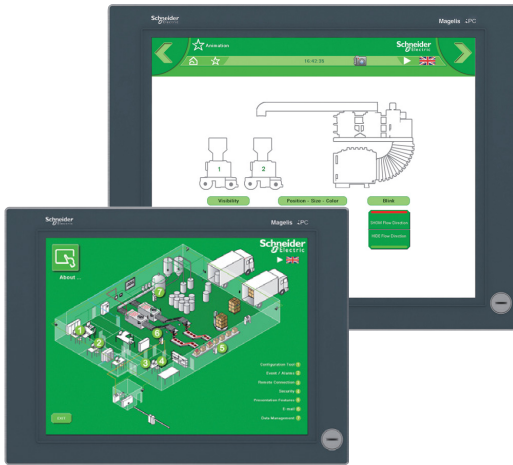
## Industrial PCs

Magelis™ iPCs certified for automation

Magelis™ Panel PC

Universal and Performance ranges with  
15" or 19" touch screen

2



Magelis Panel PC 15" and 19"

### Presentation

The Magelis Panel PC Universal and Performance ranges with 15" and 19" touch screens offer products that are rugged and certified for automation applications.

Both ranges are suitable for various uses in the following environments:

- Maintenance-free
- Harsh
- Standard

The 15" screen Magelis Panel PC version with a stainless steel front panel bezel and ATEX certification are particularly recommended for certain targeted sectors like food and beverage, chemical, pharmaceutical, and gas and petroleum.

The 15" and 19" touch screens are LCD TFT LED 16 million color touch screen with IP 65 front panel protection when mounted on a panel or an enclosure door.

The modular design of the Panel PCs provide a complete and coherent offer of referenced products with the Universal and Performance ranges.

In addition to the referenced offer, the flexibility offered by the modular design allows Magelis Panel PCs to be made-to-order (see page 2/27).

### Overview of the range

#### Magelis Panel PC Universal range with 15" and 19" touch screens (1) (2)

The Magelis Universal Panel PC with 15" and 19" touch screens are equipped with a fanless Intel® ATOM™ N270 processor (1.6 GHz) and DDR2 RAM (3).

This range is designed for the following environments:

- Maintenance-free (fanless, with solid-state storage disk):
  - **HMIPUC7D0E01** and **HMIPUC9D0E01**:
    - No PCI slot
    - Compact Flash card/Windows® Embedded Standard 2009
    - 24 V  $\overline{\text{---}}$  power supply
  - **HMIPUF7D0P01**, **HMIPUF7D0PL1**, **HMIPUF7A0P01**, **HMIPUF9D0P01** and **HMIPUF9D0PF1**:
    - No PCI slot
    - Flash disk SSD/Windows® XP Professional SP3
    - 24 V  $\overline{\text{---}}$  or 100...240 V  $\sim$  power supply
  - **HMIPUF7A2P01**, **HMIPUF7A2PF1**, **HMIPUF9A2P01** and **HMIPUF9A2PF1**:
    - 1 PCI + 1 PCI Express®
    - Flash disk SSD/Windows® XP Professional SP3
    - 100...240 V  $\sim$  power supply
- Maintenance-free (fanless, with solid-state storage disk) and with Stainless steel front panel bezel:
  - **HMIPTF7D2P01**:
    - 1 PCI + 1 PCI Express®
    - Flash disk SSD/Windows® XP Professional SP3
    - 24 V  $\overline{\text{---}}$  power supply
- Standard industrial environments (with Hard disk):
  - **HMIPUH7D0P01**, **HMIPUH7A0P01**, **HMIPUH9D0P01** and **HMIPUH9A0P01**:
    - No PCI slot
    - Hard disk/Windows® XP Professional SP3
    - 24 V  $\overline{\text{---}}$  or 100...240 V  $\sim$  power supply
  - **HMIPUH7D2P01**, **HMIPUH7A2P01**, **HMIPUH9D2P01** and **HMIPUH9A2P01**:
    - 1 PCI + 1 PCI Express®
    - Hard disk/Windows® XP Professional SP3
    - 24 V  $\overline{\text{---}}$  or 100...240 V  $\sim$  power supply
- Standard industrial environments (with Hard disk) and with Stainless steel front panel bezel:
  - **HMIPTH7D2P01**:
    - 1 PCI + 1 PCI Express®
    - Flash disk SSD/Windows® XP Professional SP3
    - 24 V  $\overline{\text{---}}$  power supply

(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® 4x.

(2) For description, see pages 2/20 and 2/21.

(3) Not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

# Industrial PCs

Magelis™ iPCs certified for automation

Magelis™ Panel PC

Universal and Performance ranges with  
15" or 19" touch screen

## Presentation (continued)

### Overview of the range (continued)

#### Magelis Panel PC Performance range (1) (2)

The Magelis Panel PC Performance range is equipped with the Intel® Core™ 2 Duo P8400 processor (2.26 GHz) + Intel® GM45 chipset and DDR3 RAM (3).

This range is designed for the following environments:

- Harsh industrial environments (with solid-state storage disk):
  - **HMIPPF7D0701, HMIPPF7D07F1, HMIPPF9D0701 and HMIPPF9D07F1:**
    - No PCI slot
    - Flash disk SSD/Windows® 7 Ultimate 64-bit
    - 24 V  $\overline{\text{---}}$  power supply
  - **HMIPPF7A2701, HMIPPF7A27F1, HMIPPF9A2701 and HMIPPF9A27F1:**
    - 1 PCI + 1 PCI Express®
    - Flash disk SSD/Windows® 7 Ultimate 64-bit
    - 100...240 V  $\sim$  power supply
- Standard industrial environments (with Hard disk):
  - **HMIPPH7D0701, HMIPPH7A0701, HMIPPH9D0701 and HMIPPH9A0701:**
    - No PCI slot
    - Hard disk/Windows® 7 Ultimate 64-bit
    - 24 V  $\overline{\text{---}}$  or 100...240 V  $\sim$  power supply
  - **HMIPPH7D2701, HMIPPH7B2701 (4), HMIPPH7A2701, HMIPPH9D2701 and HMIPPH9A2701:**
    - 1 PCI + 1 PCI Express®
    - Hard disk/Windows® 7 Ultimate 64-bit
    - 24 V  $\overline{\text{---}}$  or 100...240 V  $\sim$  power supply
- Standard industrial environments (with Hard disk) and with Stainless steel front panel bezel:
  - **HMIPRH7A2701:**
    - 1 PCI + PCI Express®
    - Hard disk/Windows® 7 Ultimate 64-bit
    - 100...240 V  $\sim$  power supply

### Made-to-order Magelis Panel PC Universal and Performance ranges

On Magelis Universal and Performance Panel PC bases, it is possible to customize the CPU by selecting:

- The capacity of the Compact Flash card and the RAM
- The number of PCI and PCI Express® slots
- The operating system and dedicated HMI software
- Additional assembled options: PCI RAID card with 2 redundant Hard disks (5), interface for backup battery, interface for battery-backed power supply module, third RS 485 port, etc.

For more information on HMIPCC offer, see page 2/29.

### USB accessories for HMI terminals

The Magelis™ USB accessories are designed to expand selection range of user applications by offering value-added/differentiated HMI solutions. These innovative USB accessories can be easily installed and operated with HMI terminals (6).

The Magelis USB accessories supported by Magelis Panel PC includes:

- Harmony XB5S biometric USB switch
- Magelis HMIZ illuminated USB switch

For more information on HMI USB accessories, please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com).

(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® 4x.

(2) For description, see pages 2/20 and 2/21.

(3) Not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

(4) Supplied with battery-backed interface module inserted.

(5) Operating temperature details available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(6) Requires Vijeo Designer software running on Magelis Panel PC.

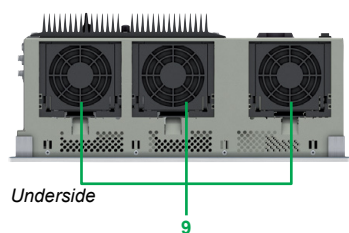
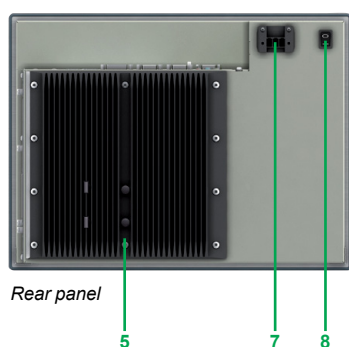
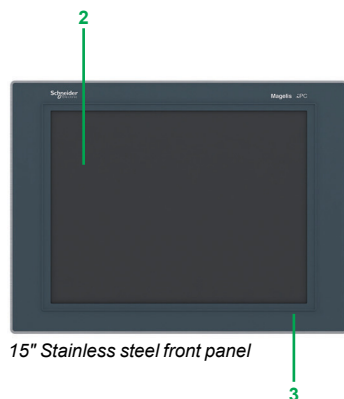
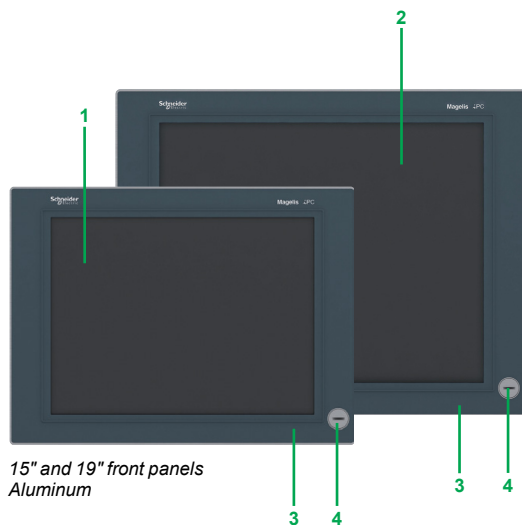
# Industrial PCs

Magelis™ iPCs certified for automation

Magelis™ Panel PC

Universal and Performance ranges with  
15" or 19" touch screen

2



Magelis Panel PC, 15" or 19"

## Description

**Magelis Universal and Performance Panel PC:**

**15" (Aluminium and Stainless steel bezel) and 19" (Aluminium bezel)**

### Front panels

- 1 15" LCD TFT LED touch screen, XGA 1024 x 768, 16 million colors for **HMIP●●7●●●●●●**:
  - Brightness: 350 cd/m<sup>2</sup> (adjustable)
  - Type of touch panel: Analog resistive film, resolution 4096 x 4096
  - Typical viewing angle: 100° (vertically)/160° (horizontally)
- 2 19" LCD TFT LED touch screen, SXGA 1280 x 1024, 16 million colors for **HMIP●●9●●●●●●**:
  - Brightness: 300 cd/m<sup>2</sup> (adjustable)
  - Type of touch panel: Analog resistive film, resolution 4096 x 4096
  - Typical viewing angle: 100° (vertically)/160° (horizontally)
- 3 Aluminum alloy front panel providing IP 65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door; mounted on 1.6...10 mm thick support using screw fasteners supplied (1)
 

or

Stainless steel 304 "Scotch Brite®" brushed finish front panel enabling an IP 65 and Nema 4X indoor degree of protection of the front panel when mounted on a panel or an enclosure door. Mounted on 1.6...10 mm thick support using stainless steel screw fasteners supplied (1). Simplified cleaning because of the absence of USB port on front panel (conforms to food and beverage processing machines standard EN 1672-2). Version fitted with specific seals (standard FDA 21 CFR 177.206)
- 4 USB 2.0 port (1 A max.) with screw-on protective cover (only available for Aluminium version); captive protective cover option also available (2)

### Rear panel

- 5 Heat sink (1)
- 6 Connector for Panel PC 100...240 V ~/1.6 A power supply (Panel PC **HMI●●●●A●●●●**) (3)
- 7 On/Off switch for 100...240 V ~ power supply (Panel PC **HMI●●●●A●●●●**)

### Underside

- 8 Fans (Panel PC **HMIPP●●●●●●●●**) (4)  
Natural convection (Panel PC **HMIPU●●●●●●●●**) (1)

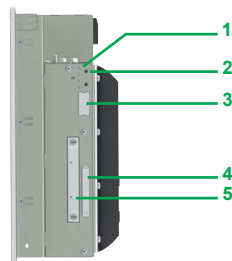
(1) For installation, please refer to the "product data sheet" on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) To be ordered separately (see page 2/26).

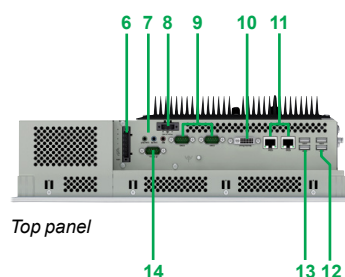
(3) Consumption excluding additional PCI card.

(4) Can be replaced with the Panel PC fan kit by the customer (to be ordered separately, see page 2/26).



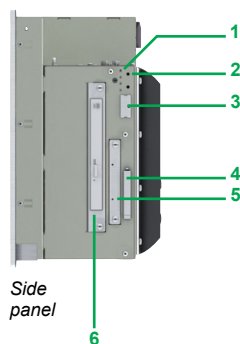


Side panel

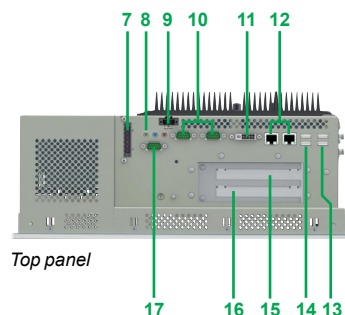


Top panel

Magelis Panel PC, 15" or 19", no PCI slot



Side panel



Top panel

Magelis Panel PC, 15" or 19", 2 PCI slots

## Description (continued)

### Magelis Universal and Performance Panel PC, 15" and 19", no PCI slot

#### Side panel

- 1 4 status and power supply LEDs
- 2 2 pushbuttons: 1 for power supply and 1 for resetting
- 3 Battery
- 4 Slot for Compact Flash card:
  - With Compact Flash card (SLC technology) ≥ 4 GB (Panel PC HMIPUC●D0E01)
  - Free slot (Panel PC HMIP●F●●0●●1, HMIP●H●●0●●1)
- 5 Slide-in compact rack:
  - Free slot (Panel PC HMIPUC●D0E01)
  - With Flash disk SSD ≥ 60 GB (Panel PC HMIP●F●●0●●1)
  - With Hard disk ≥ 500 GB (Panel PC HMIP●H●●0●●1)

#### Top panel

- 6 Free slot for battery-backed power supply interface module (1)
- 7 Micro input, line input/line output
- 8 Connector for Panel PC 24 V  $\overline{\text{---}}$ 7 A power supply (Panel PC HMIP●●●D0●●1) (2)
- 9 2 RS232C ports
- 10 DVI port - RGB connection with adaptor (HMIYADDVIRGB11) (1)
- 11 2 Ethernet 10/100/1000 Mbps ports
- 12 2 USB 2.0 ports (1 A max.)
- 13 2 USB 2.0 ports (0.5 A max.)
- 14 Slot for additional RS232C/RS422/RS485 serial link interface; to be ordered separately in made-to-order configuration (1).

### Magelis Universal and Performance Panel PC, 15" and 19", 2 PCI slots

#### Side panel

- 1 4 status and power supply LEDs
- 2 2 pushbuttons: 1 for power supply and 1 for resetting
- 3 Battery
- 4 Free slot for Compact Flash card
- 5 Slide-in compact rack:
  - With Flash disk SSD ≥ 60 GB (Panel PC HMIP●F●●●●●1)
  - With Hard disk ≥ 500 GB (Panel PC HMIP●H●●2●●1)
- 6 Slide-in rack with the DVD-RW drive included (3). Can be used for an additional storage disk with adaptor (HMIYADSLIDEIN11) (4)

#### Top panel

- 7 Slot for battery-backed power supply interface module:
  - Module mounted on Panel PC HMIPPH7B2701
  - Module not included as standard on other models (1)
- 8 Micro input, line input/line output
- 9 Connector for Panel PC 24 V  $\overline{\text{---}}$ 7 A power supply (Panel PC HMIP●D●●●●●1) (2)
- 10 2 RS232C ports
- 11 DVI port - RGB connection with adaptor (HMIYADDVIRGB11) (1)
- 12 2 Ethernet 10/100/1000 Mbps ports
- 13 2 USB 2.0 ports (1 A max.)
- 14 2 USB 2.0 ports (0.5 A max.)
- 15 Half-format PCI Express® 4x slot
- 16 Half-format PCI 2.2 slot
- 17 Slot for additional RS232C/RS422/RS485 serial link interface; to be ordered separately in made-to-order configuration (1).

(1) To be ordered separately in made-to-order configuration (see page 2/27).

(2) Consumption excluding additional PCI card.

(3) Operating temperature details available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(4) To be ordered separately as an accessory (see page 2/26).

## Industrial PCs

Magelis™ iPCs certified for automation

Magelis™ Panel PC

Universal range - 15" touch screen

2

PF110314

HMIPU70001  
(Screen side)

PF110378

HMIPTF7D2P01  
HMIPTH7D2P01  
(Screen side)

PF110341

HMIPU7A0P01  
(CPU side)

PF110327

HMIPU7A2P01  
(CPU side)

PF110340

HMIPUH7D2P01  
(CPU side)
**Magelis Universal Panel PC - 15" LCD TFT LED touch screen (1) (2)**  
**(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM)**

| Supply voltage<br>PCI slot                                                 | Operating<br>system                          | Software                                                       | Storage                                       | DDR2<br>RAM (3) | Reference    | Weight<br>kg/lb   |
|----------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|-----------------------------------------------|-----------------|--------------|-------------------|
| <b>For maintenance-free environment (with Aluminium front panel bezel)</b> |                                              |                                                                |                                               |                 |              |                   |
| 24 V $\square$<br>No PCI slot                                              | Windows®<br>Embedded<br>Standard 2009<br>(4) | Vijeo Designer<br>RT Demo (5)                                  | Compact Flash (SLC<br>technology) $\geq$ 4 GB | 1 GB            | HMIPUC7D0E01 | 8.900/<br>19.621  |
|                                                                            | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                  | Flash disk SSD $\geq$ 60 GB                   | 1 GB            | HMIPUF7D0P01 | 9.000/<br>19.842  |
|                                                                            |                                              | Vijeo Designer<br>RT Demo (5)<br>Vijeo Citect Lite<br>1200 I/O | Flash disk SSD $\geq$ 60 GB                   | 2 GB            | HMIPUF7D0PL1 | 9.000/<br>19.842  |
| 100...240 V $\sim$<br>No PCI slot                                          | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                  | Flash disk SSD $\geq$ 60 GB                   | 1 GB            | HMIPUF7A0P01 | 9.500/<br>20.943  |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express®                            | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                  | Flash disk SSD $\geq$ 60 GB                   | 1 GB            | HMIPUF7A2P01 | 10.900/<br>24.030 |
|                                                                            |                                              | Vijeo Designer<br>RT Demo (5)<br>Vijeo Citect Full<br>500 I/O  | Flash disk SSD $\geq$ 60 GB                   | 2 GB            | HMIPUF7A2PF1 | 10.900/<br>24.030 |

**For maintenance-free environment (with Stainless steel front panel bezel)**

|                                             |                                 |                               |                             |      |              |                   |
|---------------------------------------------|---------------------------------|-------------------------------|-----------------------------|------|--------------|-------------------|
| 24 V $\square$<br>1 PCI +<br>1 PCI Express® | Windows® XP<br>Professional SP3 | Vijeo Designer<br>RT Demo (5) | Flash disk SSD $\geq$ 60 GB | 1 GB | HMIPTF7D2P01 | 11.100/<br>24.471 |
|---------------------------------------------|---------------------------------|-------------------------------|-----------------------------|------|--------------|-------------------|

**For standard industrial environment (with Aluminium front panel bezel)**

|                                                 |                                 |                               |                                            |      |              |                   |
|-------------------------------------------------|---------------------------------|-------------------------------|--------------------------------------------|------|--------------|-------------------|
| 24 V $\square$<br>No PCI slot                   | Windows® XP<br>Professional SP3 | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 1 GB | HMIPUH7D0P01 | 9.000/<br>8.818   |
| 24 V $\square$<br>1 PCI +<br>1 PCI Express®     | Windows® XP<br>Professional SP3 | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 1 GB | HMIPUH7D2P01 | 10.300/<br>22.708 |
| 100...240 V $\sim$<br>No PCI slot               | Windows® XP<br>Professional SP3 | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 1 GB | HMIPUH7A0P01 | 9.500/<br>20.943  |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express® | Windows® XP<br>Professional SP3 | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 1 GB | HMIPUH7A2P01 | 10.900/<br>24.030 |

**For standard industrial environment (with Stainless steel front panel bezel)**

|                                             |                                 |                               |                                            |      |              |                   |
|---------------------------------------------|---------------------------------|-------------------------------|--------------------------------------------|------|--------------|-------------------|
| 24 V $\square$<br>1 PCI +<br>1 PCI Express® | Windows® XP<br>Professional SP3 | Vijeo Designer<br>RT Demo (5) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 1 GB | HMIPTH7D2P01 | 11.100/<br>24.471 |
|---------------------------------------------|---------------------------------|-------------------------------|--------------------------------------------|------|--------------|-------------------|

(1) 15" touch screen: XGA 1024 x 768, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.

(2) For separate components, software and external power supply see page 2/26.

(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Acrobat Reader, Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
- Vijeo Citect Web Client
- Vijeo Designer Run Time Demo (5)

(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) (see page 2/28).





HMIPP7A0001  
(Screen side)



HMIPP7A2701  
(Screen side)



HMIPP7A0701  
(CPU side)



HMIPP7A2701  
(CPU side)



HMIPPH7D2701  
(CPU side)

### Magelis Performance Panel - 15" LCD TFT LED touch screen (1) (2)

(Intel® Core™ 2 Duo P8400 processor (2.26 GHz)/DDR3 RAM)

| Supply voltage<br>PCI slot                                                 | Operating<br>system           | Software                                                      | Storage                     | DDR3<br>RAM (3) | Reference    | Weight<br>kg/lb   |
|----------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------|-----------------------------|-----------------|--------------|-------------------|
| <b>For harsh industrial environment (with Aluminium front panel bezel)</b> |                               |                                                               |                             |                 |              |                   |
| 24 V $\overline{\text{---}}$<br>No PCI slot                                | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4)                                 | Flash disk SSD $\geq$ 60 GB | 2 GB            | HMIPPF7D0701 | 10.100/<br>22.267 |
|                                                                            |                               | Vijeo Designer<br>RT Demo (4)<br>Vijeo Citect Full<br>500 I/O | Flash disk SSD $\geq$ 60 GB | 4 GB            | HMIPPF7D07F1 | 10.100/<br>22.267 |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express®                            | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4)                                 | Flash disk SSD $\geq$ 60 GB | 2 GB            | HMIPPF7A2701 | 12.000/<br>26.455 |
|                                                                            |                               | Vijeo Designer<br>RT Demo (4)<br>Vijeo Citect Full<br>500 I/O | Flash disk SSD $\geq$ 60 GB | 4 GB            | HMIPPF7A27F1 | 12.000/<br>26.455 |

### For standard industrial environment (with Aluminium front panel bezel)

|                                                                                                   |                               |                               |                                            |      |              |                   |
|---------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------|--------------------------------------------|------|--------------|-------------------|
| 24 V $\overline{\text{---}}$<br>No PCI slot                                                       | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH7D0701 | 10.100/<br>22.267 |
| 24 V $\overline{\text{---}}$<br>1 PCI +<br>1 PCI Express®                                         | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH7D2701 | 11.400/<br>25.133 |
| 24 V $\overline{\text{---}}$ with<br>interface for<br>backup battery<br>1 PCI +<br>1 PCI Express® | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH7B2701 | 11.400/<br>25.133 |
| 100...240 V $\sim$<br>No PCI slot                                                                 | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH7A0701 | 10.600/<br>23.368 |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express®                                                   | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH7A2701 | 12.000/<br>26.455 |

### For standard industrial environment (with Stainless steel front panel bezel)

|                                                 |                               |                               |                                            |      |              |                   |
|-------------------------------------------------|-------------------------------|-------------------------------|--------------------------------------------|------|--------------|-------------------|
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express® | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo (4) | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPRH7A2701 | 12.200/<br>26.896 |
|-------------------------------------------------|-------------------------------|-------------------------------|--------------------------------------------|------|--------------|-------------------|

(1) 15" touch screen: XGA 1024 x 768, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.

(2) For separate components, software and external power supply see page 2/26.

(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

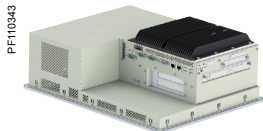
(4) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) (see page 2/28).



HMIPU●9●●●●1  
(Screen side)



HMIPU●9A2P●1  
(CPU side)



HMIPUH9D2P01  
(CPU side)



HMIPUH9A0P01  
(CPU side)

### Magelis Universal Panel PC - 19" LCD TFT LED touch screen (1) (2)

(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM)

| Supply voltage<br>PCI slot                                                    | Operating<br>system                          | Software                                                      | Storage                                       | DDR2<br>RAM (3) | Reference    | Weight<br>kg/lb   |
|-------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------|-----------------------------------------------|-----------------|--------------|-------------------|
| <b>For maintenance-free environment (with Aluminium front panel bezel)</b>    |                                              |                                                               |                                               |                 |              |                   |
| 24 V $\sim$<br>No PCI slot                                                    | Windows®<br>Embedded<br>Standard 2009<br>(4) | Vijeo Designer<br>RT Demo (5)                                 | Compact Flash (SLC<br>technology) $\geq$ 4 GB | 1 GB            | HMIPUC9D0E01 | 13.600/<br>29.983 |
|                                                                               | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                 | Flash disk SSD $\geq$ 60 GB                   | 1 GB            | HMIPUF9D0P01 | 13.700/<br>30.203 |
|                                                                               |                                              | Vijeo Designer<br>RT Demo (5)<br>Vijeo Citect Full<br>500 I/O | Flash disk SSD $\geq$ 60 GB                   | 2 GB            | HMIPUF9D0PF1 | 13.700/<br>30.203 |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express®                               | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                 | Flash disk SSD $\geq$ 60 GB                   | 1 GB            | HMIPUF9A2P01 | 14.700/<br>32.408 |
|                                                                               |                                              | Vijeo Designer<br>RT Demo (5)<br>Vijeo Citect Full<br>500 I/O | Flash disk SSD $\geq$ 60 GB                   | 2 GB            | HMIPUF9A2PF1 | 15.500/<br>34.172 |
| <b>For standard industrial environment (with Aluminium front panel bezel)</b> |                                              |                                                               |                                               |                 |              |                   |
| 24 V $\sim$<br>No PCI slot                                                    | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                 | Hard disk enterprise 24/7<br>$\geq$ 500 GB    | 1 GB            | HMIPUH9D0P01 | 13.700/<br>30.203 |
| 24 V $\sim$<br>1 PCI +<br>1 PCI Express®                                      | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                 | Hard disk enterprise 24/7<br>$\geq$ 500 GB    | 1 GB            | HMIPUH9D2P01 | 15.000/<br>33.069 |
| 100...240 V $\sim$<br>No PCI slot                                             | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                 | Hard disk enterprise 24/7<br>$\geq$ 500 GB    | 1 GB            | HMIPUH9A0P01 | 14.300/<br>31.526 |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express®                               | Windows® XP<br>Professional SP3              | Vijeo Designer<br>RT Demo (5)                                 | Hard disk enterprise 24/7<br>$\geq$ 500 GB    | 1 GB            | HMIPUH9A2P01 | 15.500/<br>34.172 |

(1) 19" touch screen: SXGA 1280 x 1024, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.

(2) For separate components, software and external power supply see page 2/26.

(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

(4) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Acrobat Reader, Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
- Vijeo Citect Web Client
- Vijeo Designer Run Time Demo (5)

(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) (see page 2/28).



HMIPP●9●●●●1  
(Screen side)



HMIPP●9A27●1  
(CPU side)



HMIPPH9D2701  
(CPU side)



HMIPPH9A0701  
(CPU side)

### Magelis Performance Panel - 19" LCD TFT LED touch screen<sup>(1) (2)</sup>

(Intel® Core™ 2 Duo P8400 processor (2.26 GHz)/DDR3 RAM)

| Supply voltage<br>PCI slot                                                 | Operating<br>system           | Software                                                                 | Storage                     | DDR3<br>RAM <sup>(3)</sup> | Reference    | Weight<br>kg/lb   |
|----------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------|-----------------------------|----------------------------|--------------|-------------------|
| <b>For harsh industrial environment (with Aluminium front panel bezel)</b> |                               |                                                                          |                             |                            |              |                   |
| 24 V $\overline{\text{---}}$<br>No PCI slot                                | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo <sup>(4)</sup>                                 | Flash disk SSD $\geq$ 60 GB | 2 GB                       | HMIPPF9D0701 | 14.800/<br>32.628 |
|                                                                            |                               | Vijeo Designer<br>RT Demo <sup>(4)</sup><br>Vijeo Citect Full<br>500 I/O | Flash disk SSD $\geq$ 60 GB | 4 GB                       | HMIPPF9D07F1 | 14.800/<br>32.628 |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express®                            | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo <sup>(4)</sup>                                 | Flash disk SSD $\geq$ 60 GB | 2 GB                       | HMIPPF9A2701 | 16.600/<br>36.596 |
|                                                                            |                               | Vijeo Designer<br>RT Demo <sup>(4)</sup><br>Vijeo Citect Full<br>500 I/O | Flash disk SSD $\geq$ 60 GB | 4 GB                       | HMIPPF9A27F1 | 16.600/<br>36.596 |

### For standard industrial environment (with Aluminium front panel bezel)

|                                                           |                               |                                          |                                            |      |              |                   |
|-----------------------------------------------------------|-------------------------------|------------------------------------------|--------------------------------------------|------|--------------|-------------------|
| 24 V $\overline{\text{---}}$<br>No PCI slot               | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo <sup>(4)</sup> | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH9D0701 | 14.800/<br>32.628 |
| 24 V $\overline{\text{---}}$<br>1 PCI +<br>1 PCI Express® | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo <sup>(4)</sup> | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH9D2701 | 16.100/<br>35.494 |
| 100...240 V $\sim$<br>No PCI slot                         | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo <sup>(4)</sup> | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH9A0701 | 15.400/<br>33.951 |
| 100...240 V $\sim$<br>1 PCI +<br>1 PCI Express®           | Windows® 7<br>Ultimate 64-bit | Vijeo Designer<br>RT Demo <sup>(4)</sup> | Hard disk enterprise 24/7<br>$\geq$ 500 GB | 2 GB | HMIPPH9A2701 | 16.500/<br>36.376 |

(1) 19" touch screen: SXGA 1280 x 1024, 16 million colors, IP 65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.

(2) For separate components, software and external power supply, see page 2/26.

(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 2/27).

(4) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC), (see page 2/28).

| Separate components                    |                                                                                                                                                                                    |                                          |                                                              |             |                 |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------|-------------|-----------------|
| Description                            | Details                                                                                                                                                                            | Compatible with Magelis Panel PC ranges: |                                                              |             | Reference       |
|                                        |                                                                                                                                                                                    | Optimum                                  | Universal                                                    | Performance |                 |
| Hard Disk Drive                        | 500 GB, blank                                                                                                                                                                      | -                                        | Panel PC 12"                                                 |             | HMIYHDD50061    |
| Flash Disk SSD                         | 60 GB, blank                                                                                                                                                                       | -                                        | Panel PC 12"                                                 |             | HMIYSDD06061    |
|                                        | 128 GB, blank                                                                                                                                                                      | -                                        | All models                                                   |             | HMIYSDD18061    |
| CFast card (SLC technology)            | 4 GB, blank                                                                                                                                                                        | -                                        | Panel PC 12"                                                 |             | HMIYCFA04       |
|                                        | 8 GB, blank                                                                                                                                                                        | -                                        | Panel PC 12"                                                 |             | HMIYCFA08       |
|                                        | 16 GB, blank                                                                                                                                                                       | -                                        | Panel PC 12"                                                 |             | HMIYCFA16       |
| DVD-RW drive for slide-in slot (1)     | CD-RW and DVD-RW reader/writer                                                                                                                                                     | -                                        | Panel PC 12"                                                 |             | HMIYDRDVDRW61   |
| RAM expansion DDR3                     | 2 GB for 1 slot                                                                                                                                                                    | -                                        | Panel PC 12"                                                 |             | HMIYPRAM302061  |
|                                        | 4 GB for 1 slot                                                                                                                                                                    | -                                        | Panel PC 12"                                                 |             | HMIYPRAM304061  |
|                                        | 8 GB for 1 slot                                                                                                                                                                    | -                                        | Panel PC 12"                                                 |             | HMIYPRAM308061  |
| Interface module                       | Additional serial link RS232/422/485                                                                                                                                               | -                                        | Panel PC 12"                                                 |             | HMIYPINSL61     |
|                                        | SRAM for Vijeo Designer                                                                                                                                                            | -                                        | Panel PC 12"                                                 |             | HMIYPINSRAM61   |
|                                        | Battery backup interface                                                                                                                                                           | -                                        | Panel PC 12"                                                 |             | HMIYPUISINT61   |
| Backup power supply kit                | "Provides an uninterruptible power supply. Includes:<br>■ 1 backup battery<br>■ 1x 3 m cordset                                                                                     | -                                        | Panel PC 12" (require battery backup interface HMIPUPSINT61) |             | HMIYUPSKT61     |
| Slide-in adaptor for storage disk (2)  | To insert a Hard disk, a Flash disk SSD, or a CFast with adaptor, in a slide-in slot                                                                                               | -                                        | Panel PC 12"                                                 |             | HMIYADSLIDEIN61 |
| Slide-in compact adaptor for CFast (2) | To insert a CFast in a slide-in compact slot                                                                                                                                       | -                                        | Panel PC 12"                                                 |             | HMIYADCFAST61   |
| Slots expansion module                 | Module 1 PCI + 1 slide-in slots                                                                                                                                                    | -                                        | Panel PC 12"                                                 |             | HMIYPCI161      |
|                                        | Module 1 PCI Express® + 1 slide-in slots                                                                                                                                           | -                                        | Panel PC 12"                                                 |             | HMIYPCIC61      |
|                                        | Module 1 PCI + 1 PCI Express® + 1 slide-in slots                                                                                                                                   | -                                        | Panel PC 12"                                                 |             | HMIYPCI261      |
|                                        | Module 2 PCI + 1 slide-in slots                                                                                                                                                    | -                                        | Panel PC 12"                                                 |             | HMIYPCIA61      |
| AC to DC power supply module           | To replace or add an AC power module                                                                                                                                               | -                                        | Panel PC 12"                                                 |             | HMIYPMAC61      |
| Maintenance kit for Panel PC includes: | 1x 3-way removable connector for 24 V ~ power supply<br>1x 3-way removable connector for 100...240 V ~ power supply<br>18 screw fasteners<br>2 Front USB port cap<br>5 Fan filters | -                                        | Panel PC 12"                                                 |             | HMIYPMKT61      |
| Fan Kit for Panel PC                   | To replace or add a fan                                                                                                                                                            | -                                        | Panel PC 12"                                                 |             | HMIYPFKT061     |
| Screen protection                      | 5 protective film sheets for 12" screen                                                                                                                                            | -                                        | Panel PC 12"                                                 |             | MPCYK20SPSKIT   |

(1) Operating temperature details are available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) The user has to check for third party drive compliancy.

| Separate components                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |                                                                                                |             |                 |                 |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|-------------|-----------------|-----------------|
| Description                                   | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Compatible with Magelis Panel PC ranges: |                                                                                                |             | Reference       | Weight<br>kg/lb |
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Optimum                                  | Universal                                                                                      | Performance |                 |                 |
| Storage disks, peripheral equipment, kits     |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |                                                                                                |             |                 |                 |
| Hard disk                                     | 500 GB, blank                                                                                                                                                                                                                                                                                                                                                                                                                                             | –                                        | Panel PCs 15" and 19"                                                                          |             | HMIYHDD050011   | –               |
| Flash disk SSD ≥ 60 GB                        | 60 GB, blank                                                                                                                                                                                                                                                                                                                                                                                                                                              | –                                        | Panel PCs 15" and 19"                                                                          |             | HMIYSDD006011   | –               |
| Compact Flash card<br>(SLC technology)        | 2 GB, blank                                                                                                                                                                                                                                                                                                                                                                                                                                               | All models (Panel PCs 10", 15" and 19")  |                                                                                                |             | HMIYCFS0211     | –               |
|                                               | 4 GB, blank                                                                                                                                                                                                                                                                                                                                                                                                                                               | All models                               |                                                                                                |             | HMIYCFS0411     | –               |
|                                               | 8 GB, blank                                                                                                                                                                                                                                                                                                                                                                                                                                               | All models                               |                                                                                                |             | HMIYCFS0811     | –               |
| SD memory card                                | 4 GB, blank, for user data                                                                                                                                                                                                                                                                                                                                                                                                                                | All models                               | –                                                                                              |             | HMIZSD4G        | –               |
| DVD-RW drive for slide-in rack (1)            | CD-RW and DVD-RW reader/writer                                                                                                                                                                                                                                                                                                                                                                                                                            | –                                        | Panel PCs 15" and 19" with 2 PCI slots                                                         |             | HMIYDRDVRW11    | –               |
| Slide-in adaptor for storage disk (3)         | Used to insert a Hard disk or an SSD Flash disk in a slide-in rack                                                                                                                                                                                                                                                                                                                                                                                        | –                                        | Panel PCs 15" and 19" with 2 PCI slots                                                         |             | HMIYADSLIDEIN11 | –               |
| DVI/VGA RGB adaptor                           | For connecting an RGB screen to the integrated DVI port                                                                                                                                                                                                                                                                                                                                                                                                   | –                                        | All models                                                                                     |             | HMIYADDVIRGB11  | –               |
| RAID PCI card with 2 redundant Hard disks (1) | PCI card equipped with two redundant Hard disks enterprise 24/7 ≥ 500 GB                                                                                                                                                                                                                                                                                                                                                                                  | –                                        | Panel PCs 15" and 19" with 2 PCI slots                                                         |             | HMIYRAIDPCI11   | –               |
| Hard disk for RAID PCI card                   | Replacement Hard disk for RAID PCI card HMIYRAIDPCI11                                                                                                                                                                                                                                                                                                                                                                                                     | –                                        | Panel PCs 15" and 19" with 2 PCI slots + RAID PCI card HMIYRAIDPCI11                           |             | HMIYRAIDD050011 | –               |
| Backup power supply kit                       | Provides an uninterruptible power supply. Includes:<br>■ 1 backup battery<br>■ 1x 3 m cordset                                                                                                                                                                                                                                                                                                                                                             | –                                        | Configured Magelis Panel PCs 15" and 19" with battery-backed power supply interface module (2) |             | HMIYUPSKT11     | –               |
| Power supply filter for marine certification  | Necessary for compliance with marine certification.                                                                                                                                                                                                                                                                                                                                                                                                       | Panel PC HMI PWC7D0E01                   | Panel PC 15" and 19" universal DC PUC●D●●●●/ PUF●D●●●●                                         | –           | HMIYLFIMAR11    | –               |
| Maintenance kit for Panel PC                  | Includes:<br>■ 1x 3-way removable connector for 24 V ~ power supply<br>■ 1 x 3-way removable connector for 100...240 V ~ power supply<br>■ 2 protective covers for USB port on front panel (only on Aluminium bezel versions)<br>■ 10 replacement filters for fan, including:<br>□ 5 for Magelis Panel PC with no PCI slot<br>□ 5 for Magelis Panel PC with 2 PCI slots<br>■ 18 screw fasteners (Aluminium bezel) or 14 fasteners (Stainless steel bezel) | –                                        | Panel PCs 15" and 19"                                                                          |             | HMIYPMKT11      | 0.060/<br>0.132 |
| Captive USB protective cover                  | 2 captive covers for USB port on front panel                                                                                                                                                                                                                                                                                                                                                                                                              | All Aluminium bezel version models       |                                                                                                |             | HMIYPUSBUN511   | 0.040/<br>0.088 |
| Fan kit for Panel PC                          | For fan replacement by user                                                                                                                                                                                                                                                                                                                                                                                                                               | –                                        | Panel PC 15" and 19" with no PCI/PCI Express® slots                                            |             | HMIYPFKT01      | 0.250/<br>0.551 |
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          | Panel PC 15" and 19" with PCI/PCI Express® slots                                               |             | HMIYPFKT21      | 0.800/<br>1.764 |
| Screen protection                             | 5 protective film sheets for 10" screen                                                                                                                                                                                                                                                                                                                                                                                                                   | Panel PC HMI PWC5D0E01                   | –                                                                                              |             | MPCYK20SPSKIT   | –               |
|                                               | 5 protective film sheets for 15" screen (Aluminium and Stainless steel bezel versions)                                                                                                                                                                                                                                                                                                                                                                    | Panel PC HMI P●C7D0E01                   | Panel PC HMIP●●7●●●●●                                                                          |             | MPCYK50SPSKIT   | –               |
|                                               | 5 protective film sheets for 19" screen                                                                                                                                                                                                                                                                                                                                                                                                                   | –                                        | Panel PC HMIP●●9●●●●●                                                                          |             | MPCYK90SPSKIT   | –               |
| Cable for iDisplay 15"                        | Extra long (10 m/3.28 ft)                                                                                                                                                                                                                                                                                                                                                                                                                                 | –                                        | All models                                                                                     |             | HMIYCABDVI1011  | –               |

(1) Operating temperature details are available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) For configured Magelis Panel PC see page 2/27.

(3) The user has to check for third party drive compliance.

## Separate components

| Separate components                                                                      |                                                                                                               |                                               |           |             |                         |                 |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------|-------------|-------------------------|-----------------|
| Description                                                                              | Details                                                                                                       | Compatible with Magelis Panel PC ranges:      |           |             | Reference               | Weight<br>kg/lb |
|                                                                                          |                                                                                                               | Optimum                                       | Universal | Performance |                         |                 |
| Software                                                                                 |                                                                                                               |                                               |           |             |                         |                 |
| Vijeo Designer Run Time license for 1 workstation                                        | Converts the 21-day trial version of Vijeo Designer Run Time Demo to an unlimited license                     | All models                                    |           |             | VJDSNRTMPC              | —               |
| License extension Intelligent Data Service for Vijeo Designer Run Time for 1 workstation | Used to track the process variables and all operator actions, and offers visibility of the key process values | All models (requires storage capacity ≥ 4 GB) |           |             | VJDSNTRCKV60M           | —               |
| External Phaseo power supply                                                             |                                                                                                               |                                               |           |             |                         |                 |
| Phaseo regulated switch mode power supply ABL 8<br>Rail mounting                         | Input voltage: 100...120 V/200...500 V ~ (1)<br>Output voltage: 24 V ---<br>Power: 120 W                      | All models                                    | —         |             | ABL8RPS24050<br>(2) (3) | —               |
| Phaseo regulated switch mode power supply ABL 4<br>Rail mounting                         | Input voltage: 100...230 V ~ (1)<br>Output voltage: 24 V ---<br>Power: 120 W                                  | All models                                    | —         |             | ABL4RSM24050<br>(2) (3) | —               |

(1) Single-phase connection. Phase-to-phase connection possible on certain American line supplies, please contact our Customer Care Center.

(2) If adding a PCI card, you need to select a Phaseo power supply with a power rating suitable for the extra consumption. Please refer to the "Phaseo power supply and transformer" catalog on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(3) To order this reference, please contact our Customer Care Center.



### Configured Magelis Panel PC industrial PC

With the "configured iPC" service, Schneider Electric offers a vast number of configuration combinations for Magelis iPCs.

This service, available exclusively from our Customer Care Center, allows users to configure a certified product suitable for specific automation applications and environments, based on Magelis Panel PCs.

Our Customer Care Center draws up:

- The complete parts list for the configured Magelis Panel PC
- Its selling price
- The complete reference (root + code which varies according to the configuration)
- A purchase order

### Ordering procedure for a configured Magelis Panel PC

- 1 Please contact our Customer Care Center.
- 2 State the reference root; this root will be completed with the variable part of the reference, once configuration is complete. The root varies depending on which Magelis Panel PC base is selected:
  - **HMIPCCW** corresponds to a configured Magelis Optimum Panel PC base, with an aluminium front panel
  - **HMIPCCV** corresponds to a configured Magelis Optimum Panel PC base, with a stainless steel front panel
  - **HMIPCCP** corresponds to a configured Magelis Universal or Performance Panel PC base, with an aluminium front panel
  - **HMIPCCCT** corresponds to a configured Magelis Universal or Performance Panel PC base, with a stainless steel front panel
- 3 Configure your Magelis Panel PC (see table below).
- 4 Confirm your order.

| References                                                                                               |                                                                                                                           |                                                                                                                                                                    |                                                                                                                                                                   |              |                 |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|
| Description                                                                                              |                                                                                                                           | Magelis Panel PC base                                                                                                                                              |                                                                                                                                                                   | Reference    | Weight<br>kg/lb |
| <b>Configured Magelis Panel PC</b><br>The configuration should be made up from the components below. (1) | Reference root to be stated to our Customer Care Center.                                                                  | Optimum, aluminium front panel bezel                                                                                                                               |                                                                                                                                                                   | HMIPCCW (2)  | —               |
|                                                                                                          |                                                                                                                           | Optimum, stainless steel front panel bezel (15" screen only)                                                                                                       |                                                                                                                                                                   | HMIPCCV (2)  | —               |
|                                                                                                          |                                                                                                                           | Universal and Performance, aluminium front panel bezel                                                                                                             |                                                                                                                                                                   | HMIPCCP (2)  | —               |
|                                                                                                          |                                                                                                                           | Universal and Performance, stainless steel front panel bezel (15" screen only)                                                                                     |                                                                                                                                                                   | HMIPCCCT (2) | —               |
| Description                                                                                              | Available on Magelis Panel PC base                                                                                        |                                                                                                                                                                    |                                                                                                                                                                   | Reference    | Weight<br>kg/lb |
|                                                                                                          | <b>Optimum</b><br><b>Processor</b><br><b>Intel® ATOM™ Z510 (1.1 GHz)</b><br><b>DDR2 RAM</b><br><b>24 V ~ power supply</b> | <b>Universal</b><br><b>Processor</b><br><b>Intel® ATOM™ N270 or iCore 827E</b><br><b>DDR2 or DDR3 RAM</b><br><b>24 V ~ or</b><br><b>100...240 V ~ power supply</b> | <b>Performance</b><br><b>Processor</b><br><b>Intel® Core™ 2 Duo P8400 or i3 iCore</b><br><b>DDR3 RAM</b><br><b>24 V ~ or</b><br><b>100...240 V ~ power supply</b> |              |                 |
| <b>LCD TFT LED touch screen</b><br>16 million colors                                                     | 10.4" or 15"                                                                                                              | 12", 15" or 19"                                                                                                                                                    |                                                                                                                                                                   | (2)          | —               |
| <b>RAM</b>                                                                                               | 2 GB max. (DDR2)                                                                                                          | 3 GB max. for 15" and 19"<br>16 GB max. for 12"                                                                                                                    | 8 GB max. for 15" and 19"<br>16 GB max. for 12"                                                                                                                   |              |                 |
| <b>Peripheral storage devices</b>                                                                        | Compact Flash card 8 GB max. or CFast card 16 GB max. (SLC technology)                                                    |                                                                                                                                                                    |                                                                                                                                                                   |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Up to 2 Flash disks SSD ≥ 60 GB                                                                                                                                   |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Up to 2 Hard disks ≥ 500 GB (enterprise 24/7)                                                                                                                     |              |                 |
| <b>Other peripheral device</b>                                                                           | —                                                                                                                         |                                                                                                                                                                    | DVD-RW drive                                                                                                                                                      |              |                 |
| <b>PCI slot configuration</b>                                                                            | —                                                                                                                         |                                                                                                                                                                    | No PCI slot                                                                                                                                                       |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | 1 PCI + 1 PCI Express® for 12" only                                                                                                                               |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | 1 PCI + 1 PCI Express® or 2 PCI                                                                                                                                   |              |                 |
| <b>Operating systems</b>                                                                                 | Windows® Embedded Standard 2009                                                                                           |                                                                                                                                                                    |                                                                                                                                                                   |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Windows® Embedded Standard 7 32-bit                                                                                                                               |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Windows® XP PRO SP3                                                                                                                                               |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Windows® 7 Ultimate 32-bit                                                                                                                                        |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Windows® 7 Ultimate 64-bit                                                                                                                                        |              |                 |
| <b>Software</b>                                                                                          | Vijeo Designer Run Time                                                                                                   |                                                                                                                                                                    |                                                                                                                                                                   |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Vijeo Citect                                                                                                                                                      |              |                 |
| <b>Assembled options</b>                                                                                 | —                                                                                                                         |                                                                                                                                                                    | RAID with 2 redundant Hard disks                                                                                                                                  |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Interface module for backup power supply (4)                                                                                                                      |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | SRAM interface for 12" (default on others)                                                                                                                        |              |                 |
|                                                                                                          | —                                                                                                                         |                                                                                                                                                                    | Additional RS232C/RS422/RS485 serial link interface                                                                                                               |              |                 |
|                                                                                                          | 1 or 2 Ethernet ports                                                                                                     |                                                                                                                                                                    | 2 Ethernet ports                                                                                                                                                  |              |                 |

1) Please contact our Customer Care Center.

(2) The reference of configured Magelis Panel PC industrial PCs is made up of a root (HMIPCCW, HMIPCCV, HMIPCCP or HMIPCCCT) followed by a variable part generated during configuration.

(3) Required to connect backup power supply kits **HMIYUPSKT•1** (see page 2/26).

| Old PC Panels                                                             |                                               | Replaced by Magelis Panel PC                                                         |                                           | Compatibility              |                   |
|---------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------|----------------------------|-------------------|
| Description                                                               | References                                    | Description                                                                          | References                                | Cut-out for flush mounting | Screen definition |
| <b>Magelis Smart</b> (with Compact Flash card)                            |                                               | <b>Magelis Panel PC</b> (Optimum or Universal range)                                 |                                           |                            |                   |
| Magelis Smart<br>8.4" screen, 24 V ~                                      | MPCST11NDJ00T                                 | Magelis Optimum Panel PC<br>10" screen, 24 V ~                                       | HMIPWC5D0E01                              |                            |                   |
| Magelis Smart<br>8.4" screen, 100...240 V ~                               | MPCST11NAJ00T                                 | Magelis Optimum Panel PC<br>10" screen, 24 V ~                                       | HMIPWC5D0E01 +<br>Phaseo power supply (1) |                            |                   |
| Magelis Smart 12" screen,<br>24 V ~                                       | MPCST21NDJ20T                                 | Magelis Universal Panel PC<br>12" screen, 24 V ~                                     | HMIPUC6D0E01                              |                            |                   |
| Magelis Smart 12" screen,<br>240 V ~                                      | MPCST21NAJ20T                                 | Magelis Optimum Panel PC<br>15" screen, 24 V ~, ATEX                                 | HMIPVC7D0E01                              |                            |                   |
| Magelis Smart<br>15" screen, 24 V ~                                       | HMIPSC7DE03<br>MPCST52NDJ20T                  | Magelis Universal Panel PC<br>12" screen, 240 V ~                                    | HMIPUC6A0E01                              |                            |                   |
|                                                                           |                                               | Magelis Optimum Panel PC<br>15" screen, 24 V ~                                       | HMIPWC7D0E01                              |                            |                   |
|                                                                           |                                               | Magelis Optimum Panel PC<br>15" screen, 24 V ~, ATEX                                 | HMIPVC7D0E01<br>HMIPCCT (3)               |                            |                   |
|                                                                           |                                               | Magelis Universal Panel PC<br>15" screen, 24 V ~                                     | HMIPUC7D0E01                              |                            |                   |
| Magelis Smart<br>15" screen, 100...240 V ~                                | HMIPSC7AE03<br>MPCST52NAJ20T<br>MPCST52NAJ20H | Magelis Optimum Panel PC<br>15" screen, 24 V ~                                       | HMIPWC7D0E01 +<br>Phaseo power supply (1) |                            |                   |
|                                                                           |                                               | Magelis Universal Panel PC<br>15" screen, 24 V ~                                     | HMIPUC7D0E01 +<br>Phaseo power supply (1) |                            |                   |
| <b>Magelis Smart+</b> (with Flash disk)                                   |                                               | <b>Magelis Panel PC</b> (Universal range)                                            |                                           |                            |                   |
| Magelis Smart+<br>15" screen, 24 V ~                                      | HMIPSF7DP03                                   | Magelis Universal Panel PC<br>15" screen, 24 V ~                                     | HMIPUF7D0P01                              |                            |                   |
| Magelis Smart+<br>15" screen, 100...240 V ~                               | HMIPSF7AP03                                   | Magelis Universal Panel PC<br>15" screen, 24 V ~, ATEX                               | HMIPTF7D2P01                              |                            |                   |
| Magelis Smart+<br>15" screen, 100...240 V ~                               | HMIPSF7AP03                                   | Magelis Universal Panel PC<br>15" screen, 100...240 V ~                              | HMIPUF7A0P01                              |                            |                   |
| Magelis Smart+<br>15" screen, 100...240 V ~<br>Vijeo Citect Lite 1200 I/O | HMIPSF7APL3 (2)                               | Magelis Universal Panel<br>PC 15" screen,<br>100...240 V ~, ATEX                     | HMIPCCT (3)                               |                            |                   |
| Magelis Smart+<br>15" screen, 100...240 V ~<br>Vijeo Citect Lite 1200 I/O | HMIPSF7APL3 (2)                               | Magelis Universal Panel PC<br>15" screen, 24 V ~                                     | HMIPUF7D0PL1 (2)                          |                            |                   |
| Magelis Smart+<br>15" screen, 100...240 V ~<br>Vijeo Citect Full 500 I/O  | HMIPSF7APF3                                   | Magelis Universal Panel<br>PC 15" screen,<br>100...240 V ~, ATEX                     | HMIPCCT (3)                               |                            |                   |
| Magelis Smart+<br>15" screen, 100...240 V ~<br>Vijeo Citect Full 500 I/O  | HMIPSF7APF3                                   | Magelis Universal Panel PC<br>15" screen, 100...240 V ~<br>Vijeo Citect Full 500 I/O | HMIPUF7A2PF1                              |                            |                   |
| Magelis Smart+<br>15" screen, 100...240 V ~<br>Vijeo Citect Full 500 I/O  | HMIPSF7APF3                                   | Magelis Universal Panel<br>PC 15" screen,<br>100...240 V ~, ATEX                     | HMIPCCT (3)                               |                            |                   |
| <b>Magelis Compact iPC - General Purpose</b><br>(with Hard disk)          |                                               | <b>Magelis Panel PC</b> (Universal range)                                            |                                           |                            |                   |
| Magelis Compact iPC - General<br>Purpose - 12" screen, 240 V ~            | MPCKT22NAX20N                                 | Magelis Universal Panel PC<br>12" screen, 240 V ~                                    | HMIPUH6A0701 (4)                          |                            |                   |
| Magelis Compact iPC - General<br>Purpose 15" screen, 24 V ~               | MPCKT55NDX20N                                 | Magelis Universal Panel PC<br>15" screen, 24 V ~                                     | HMIPUH7D2P01                              |                            |                   |
| Magelis Compact iPC General<br>Purpose - 15" screen, 100...240 V ~        | MPCKT55NAX20N                                 | Magelis Universal Panel PC<br>15" screen, 24 V ~, ATEX                               | HMIPTH7D2P01                              |                            |                   |
| Magelis Compact iPC General<br>Purpose - 15" screen, 100...240 V ~        | MPCKT55NAX20N                                 | Magelis Universal Panel PC<br>15" screen, 100...240 V ~                              | HMIPUH7A2P01                              |                            |                   |
| <b>Magelis Compact iPC - Heavy Duty</b> (with Flash disk)                 |                                               | <b>Magelis Panel PC</b> (Universal range)                                            |                                           |                            |                   |
| Magelis Compact iPC - Heavy<br>Duty - 12" screen, 240 V ~                 | MPCKT22MAX20N                                 | Magelis Universal Panel PC<br>12" screen, 240 V ~                                    | HMIPUF6A0701 (4)                          |                            |                   |
| Magelis Compact iPC - Heavy<br>Duty<br>15" screen, 100...240 V ~          | MPCKT55MAX20N                                 | Magelis Universal Panel PC<br>15" screen, 100...240 V ~                              | HMIPUF7A2P01                              |                            |                   |
|                                                                           |                                               | Cut-out or screen definition                                                         | Identical                                 |                            |                   |
|                                                                           |                                               |                                                                                      | Different                                 |                            |                   |

(1) ABL8RPS24050 or ABL4RSM24050 Phaseo power supply (see page 2/26).

(2) Correspondence between different power supplies: 100...240 V ~/24 V ~.

(3) Made-to-order configuration (see page 2/27).

(4) if necessary, add module HMIYPC1161 with 1 PCI slot (see page 2/26).

| Old PC Panels                                                                                        |                                                 | Replaced by Magelis Panel PC                                                                                             |                                                       | Compatibility                       |                   |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------|-------------------|
| Description                                                                                          | References                                      | Description                                                                                                              | References                                            | Cut-out for flush mounting          | Screen definition |
| <b>Magelis Compact iPC - Heavy Duty (with Flash disk) (continued)</b>                                |                                                 | <b>Magelis Panel PC (Universal range) (continued)</b>                                                                    |                                                       |                                     |                   |
| Magelis Compact iPC - Heavy Duty 15" screen, 100...240 V ~<br>Vijeo Citect Lite 1200 I/O             | <b>MPCKT55MAX20L</b>                            | Magelis Universal Panel PC 15" screen, 100...240 V ~<br>Vijeo Citect Full 500 I/O                                        | <b>HMIPUF7A2PF1</b>                                   |                                     |                   |
| Magelis Compact iPC - Heavy Duty 15" screen, 100...240 V ~<br>Vijeo Citect Full 500 I/O              | <b>MPCKT55MAX20V</b>                            | Configured Magelis Panel PC Universal Panel PC base with:<br>■ 15" screen, 100...240 V ~<br>■ Vijeo Citect Lite 1200 I/O | <b>HMIPCCP (5)</b>                                    |                                     |                   |
| <b>Old Front Panels + Flex PC BOX</b>                                                                |                                                 | <b>Replaced by Magelis iPC</b>                                                                                           |                                                       | <b>Compatibility</b>                |                   |
| Description                                                                                          | References                                      | Description                                                                                                              | References (1)                                        | Cut-out for flush mounting          | Screen definition |
| <b>Front Panels + Magelis Flex PC BOX</b>                                                            |                                                 | <b>Magelis Panel PC or Magelis iDisplay + Magelis BOX PC</b>                                                             |                                                       |                                     |                   |
| Front Panel with 12" touch screen and keypad<br>+<br>Magelis Flex PC BOX 24 V ~ or 100...240 V ~ (2) | <b>MPCYB20NNN00N</b><br>+<br><b>MPCF/H.....</b> | Magelis Optimum/Universal/Performance Panel PC 15" touch screen, 24 V ~ or 100...240 V ~                                 | <b>HMIP...7..... (3)</b>                              |                                     |                   |
|                                                                                                      |                                                 | Magelis iDisplay with 15" screen, 100...240 V ~<br>+<br>Magelis Universal/Performance BOX PC, 24 V ~                     | <b>MPCYT50NAN00N (3)</b><br>+<br><b>HMIB..... (4)</b> |                                     |                   |
|                                                                                                      |                                                 | Magelis iDisplay with 15" screen, 24 V ~<br>+<br>Magelis Universal/Performance BOX PC, 24 V ~                            | <b>HMIDID7DT0 (3)</b><br>+<br><b>HMIB..... (4)</b>    |                                     |                   |
|                                                                                                      |                                                 | Magelis iDisplay with 15" screen and keypad, 100...240 V ~<br>+<br>Magelis Universal/Performance BOX PC, 24 V ~          | <b>MPCNB50NAN00N</b><br>+<br><b>HMIB..... (4)</b>     |                                     |                   |
| Front Panel with 15" touch screen<br>+<br>Magelis Flex PC BOX 24 V ~ or 100...240 V ~ (2)            | <b>MPCYT50NNN00N</b><br>+<br><b>MPCF/H.....</b> | Magelis Optimum/Universal/Performance Panel PC 15" touch screen, 24 V ~ or 100...240 V ~                                 | <b>HMIP...7.....</b>                                  |                                     |                   |
|                                                                                                      |                                                 | Magelis iDisplay with 15" screen, 100...240 V ~<br>+<br>Magelis Universal/Performance BOX PC, 24 V ~                     | <b>MPCYT50NAN00N</b><br>+<br><b>HMIB..... (4)</b>     |                                     |                   |
|                                                                                                      |                                                 | Magelis iDisplay with 15" screen, 24 V ~<br>+<br>Magelis Universal/Performance BOX PC, 24 V ~                            | <b>HMIDID7DT0</b><br>+<br><b>HMIB..... (4)</b>        |                                     |                   |
| Front Panel with 15" touch screen and keypad<br>+<br>Magelis Flex PC BOX 24 V ~ or 100...240 V ~ (2) | <b>MPCYB50NNN00N</b><br>+<br><b>MPCF/H.....</b> | Magelis iDisplay with 15" screen and keypad, 100...240 V ~<br>+<br>Magelis Universal/Performance BOX PC, 24 V ~          | <b>MPCNB50NAN00N</b><br>+<br><b>HMIB..... (4)</b>     |                                     |                   |
| Front Panel with 19" touch screen<br>+<br>Magelis Flex PC BOX 24 V ~ or 100...240 V ~ (2)            | <b>MPCYT90NNN00N</b><br>+<br><b>MPCF/H.....</b> | Magelis Universal/Performance Panel PC 19" touch screen, 24 V ~ or 100...240 V ~                                         | <b>HMIP...9.....</b>                                  |                                     |                   |
|                                                                                                      |                                                 | Magelis iDisplay with 19" screen, 100...240 V ~<br>+<br>Magelis Universal/Performance BOX PC, 24 V ~                     | <b>MPCYT90NAN00N</b><br>+<br><b>HMIB..... (4)</b>     |                                     |                   |
|                                                                                                      |                                                 |                                                                                                                          |                                                       | <b>Cut-out or screen definition</b> | <b>Identical</b>  |
|                                                                                                      |                                                 |                                                                                                                          |                                                       | <b>Cut-out or screen definition</b> | <b>Different</b>  |

(1) Complete references: Magelis Panel, see pages 2/5, 2/22 or 2/24 / Magelis iDisplay / Magelis BOX PC, refer to our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) Power provided by the Magelis Flex PC BOX CPU; the type of power supply depends on the CPU model.

(3) Correspondence between different screen functions: touch screen + keypad/touch screen.

(4) Correspondence between possibly different power supplies: 100...240 V ~/24 V ~.

(5) Made-to-order configuration (see page 2/27).



**Magelis™ Box PC - Universal and Performance ranges****Selection guide** ..... page 3/2**■ Presentation**

- Overview of the range
  - Universal Magelis BOX PC range..... page 3/4
  - Performance Magelis BOX PC range ..... page 3/4
  - Made-to-order Magelis BOX PC range ..... page 3/5
- USB accessories for HMI terminals ..... page 3/5

**■ Description**

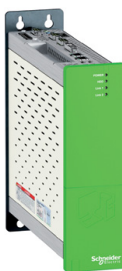
- Universal Magelis BOX PC CPUs, 1 PCI slot..... page 3/6
- Universal and Performance Magelis BOX PC CPUs, 2 PCI slots..... page 3/6
- Performance Magelis BOX PC CPUs, 5 PCI slots ..... page 3/7

**■ Reference**

- Universal Magelis BOX PC, 1 or 2 PCI slots ..... page 3/8
- Performance Magelis BOX PC, 2 or 5 PCI slots..... page 3/8
- Separate components ..... page 3/9
- Configured Magelis BOX PC industrial PC ..... page 3/10

**■ Substitution** .....page 3/11

Industrial PCs
Magelis™ iPCs certified for automation
Magelis™ BOX PC
Universal and Performance ranges

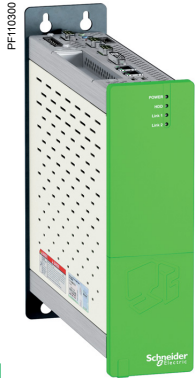
| Type                                                                              |                                     | Universal range - 1 PCI slot                                                                                                                                                          |                                          |                                                  |
|-----------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------|
| Industrial environments                                                           |                                     | Maintenance-free                                                                                                                                                                      |                                          | Standard                                         |
|  |                                     |                                                                                                                                                                                       |                                          |                                                  |
| Fanless                                                                           |                                     | ★★★★★                                                                                                                                                                                 | ★★★★★                                    | ★★★★★                                            |
| Non-rotative storage drive                                                        |                                     | ★★★★★                                                                                                                                                                                 | ★★★★★                                    | —                                                |
| CPU (1)                                                                           | Processor                           | Intel® ATOM™ N270 (1.6 GHz)                                                                                                                                                           |                                          |                                                  |
|                                                                                   | PCI slot                            | 1 PCI                                                                                                                                                                                 |                                          |                                                  |
|                                                                                   | Storage                             | Compact Flash card ≥ 4 GB (SLC technology)                                                                                                                                            | Flash disk SSD ≥ 60 GB                   | Hard disk enterprise 24/7 ≥ 500 GB               |
|                                                                                   |                                     | 1 GB                                                                                                                                                                                  | HMIBUFND1PF1: 2 GB<br>HMIBUFND1P01: 1 GB | 1 GB                                             |
|                                                                                   | RAM (2)                             | —                                                                                                                                                                                     |                                          |                                                  |
|                                                                                   | Integrated DVD-RW drive             | 1 x slide-in compact rack for storage disk                                                                                                                                            |                                          |                                                  |
|                                                                                   | Slide-in rack for peripheral device | 1 x slide-in compact rack for storage disk (Flash disk or Hard disk included)                                                                                                         |                                          |                                                  |
|                                                                                   | Integrated ports                    | 2x Ethernet 10/100/1000 Mbps<br>1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top<br>2x RS232C<br>1x DVI (VGA RGB adaptor, optional)<br>1x RS232C/RS422/RS485 |                                          |                                                  |
|                                                                                   | Optional ports                      | HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)                                                                                                               |                                          |                                                  |
|                                                                                   | Optional RAID PCI card              | Windows® Embedded Standard 2009                                                                                                                                                       | Windows® XP Professional SP3             |                                                  |
| Operating system                                                                  |                                     | 24 V ~ (± 25 %) (4)<br>Nominal current 6 A. Typical inrush current 7 A, 50 A < 300 µs                                                                                                 |                                          |                                                  |
| Supply voltage                                                                    | Voltage                             | Vertical, at the back of the enclosure ("book" format) or flat (requiring fan kit HMIYBFKT11)                                                                                         |                                          |                                                  |
|                                                                                   | Current (excluding PCI card)        | 82 x 270 x 251                                                                                                                                                                        |                                          |                                                  |
| Mounting                                                                          |                                     | Conforming to IEC 61132-2, UL 508: 0...50 °C (mounted vertically) or 0...45 °C (mounted flat)                                                                                         |                                          |                                                  |
| Overall dimensions (W x H x D in mm)                                              |                                     | 1.75 mm amplitude from 2...9 Hz, 0.5 g from 9...200 Hz (5)                                                                                                                            |                                          |                                                  |
| Temperature                                                                       | during operation                    | 0.125 g from 5...100 Hz                                                                                                                                                               |                                          |                                                  |
|                                                                                   | Vibration resistance                | 3.5 mm amplitude from 2...9 Hz, 1 g from 9...200 Hz (5)                                                                                                                               |                                          |                                                  |
|                                                                                   | during operation                    | 0.250 g from 5...100 Hz                                                                                                                                                               |                                          |                                                  |
|                                                                                   | Non-continuous                      | 1 mm amplitude from 5...13.2 Hz, 0.7 g from 13.2...100 Hz, 90 minutes endurance                                                                                                       |                                          |                                                  |
|                                                                                   | Merchant navy IACS E10              | —                                                                                                                                                                                     |                                          |                                                  |
| Shock resistance                                                                  |                                     | 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                                                                       |                                          |                                                  |
| Standards and certifications                                                      |                                     | CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), ATEX II 3 Dust zone 22, C-Tick, GOST                                    |                                          |                                                  |
| Marine certification                                                              |                                     | Germanischer Lloyd (Bridge Class)                                                                                                                                                     |                                          | With additional power supply filter HMIYLFIMAR11 |
| Compatible screens                                                                |                                     | Complete range of Magelis iDisplay screens (refer to our website www.schneider-electric.com)                                                                                          |                                          |                                                  |
| Software                                                                          |                                     | Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC)                                                                         |                                          |                                                  |
| References                                                                        | Vijeo Designer Run Time Demo        | —                                                                                                                                                                                     | HMIBUFND1PF1                             | —                                                |
|                                                                                   | Vijeo Citect Full 500 I/O           | HMIBUCND1E01                                                                                                                                                                          | HMIBUFND1P01                             | HMIBUHND1P01                                     |
|                                                                                   | Vijeo Designer Run Time Demo        |                                                                                                                                                                                       |                                          |                                                  |
| Pages                                                                             |                                     | 3/8                                                                                                                                                                                   |                                          |                                                  |
| Made-to-order configuration                                                       |                                     | See configured Magelis BOX PC on page 3/10                                                                                                                                            |                                          |                                                  |

(1) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 3/10).
(2) For other available options (interface for backup battery, etc.) in made-to-order configuration, see pages 3/9 and 3/10.

| Universal range - 2 PCI slots                                                                                                                                                                                                                                        |                                    | Performance range - 2 PCI slots                               |                                    | Performance range - 5 PCI slots                                                                                                                                                               |                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Maintenance-free                                                                                                                                                                                                                                                     | Standard                           | Harsh                                                         | Standard                           | Harsh                                                                                                                                                                                         | Standard                           |
| <div></div> |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| ★★★★★                                                                                                                                                                                                                                                                | ★★★★★                              | —                                                             | —                                  | —                                                                                                                                                                                             | —                                  |
| ★★★★★                                                                                                                                                                                                                                                                | —                                  | ★★★★★                                                         | —                                  | ★★★★★                                                                                                                                                                                         | —                                  |
| Intel® ATOM™ N270 (1.6 GHz)                                                                                                                                                                                                                                          |                                    | Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset     |                                    |                                                                                                                                                                                               |                                    |
| 2 (1 PCI + 1 PCI Express®)                                                                                                                                                                                                                                           |                                    | 5 (2 PCI + 3 PCI Express®)                                    |                                    |                                                                                                                                                                                               |                                    |
| Flash disk SSD ≥ 60 GB                                                                                                                                                                                                                                               | Hard disk enterprise 24/7 ≥ 500 GB | Flash disk SSD ≥ 60 GB                                        | Hard disk enterprise 24/7 ≥ 500 GB | Flash disk SSD ≥ 60 GB                                                                                                                                                                        | Hard disk enterprise 24/7 ≥ 500 GB |
| HMIBUFND2PF1: 2 GB<br>HMIBUFND2P01: 1 GB                                                                                                                                                                                                                             | 1 GB                               | HMIBPFDD27F1: 4 GB<br>HMIBPFDD2701: 2 GB                      | 2 GB                               | HMIBPFDD57F1: 4 GB<br>HMIBPFDD5701: 2 GB                                                                                                                                                      | 2 GB                               |
| 1<br>1x slide-in compact rack for storage disk (Flash disk or Hard disk included)<br>1x slide-in rack for DVD-RW drive (included) or storage disk via adaptor (optional)                                                                                             |                                    |                                                               |                                    | 1<br>1x slide-in compact rack for storage disk (Flash disk or Hard disk included)<br>1x slide-in rack for DVD-RW drive (supplied)<br>1x slide-in rack for storage disk via adaptor (optional) |                                    |
| 2x Ethernet 10/100/1000 Mbps                                                                                                                                                                                                                                         |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| 1x USB 2.0 (1 A) on the front panel + 4x USB 2.0 (0.5 and 1 A) at the top                                                                                                                                                                                            |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| 2x RS232C                                                                                                                                                                                                                                                            |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| 1x DVI (VGA RGB adaptor, optional)                                                                                                                                                                                                                                   |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| 1x RS232C/RS422/RS485, 1x DVI                                                                                                                                                                                                                                        |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| HMIYRAIDPCI11 RAID PCI card with 2 redundant hard disks (see page 2/27)                                                                                                                                                                                              |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| Windows® XP Professional SP3                                                                                                                                                                                                                                         |                                    | Windows® 7 Ultimate 64-bit                                    |                                    |                                                                                                                                                                                               |                                    |
| 24 V ~ (± 25 %) (4)                                                                                                                                                                                                                                                  |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| Nominal current 6 A. Typical inrush current 7 A, 50 A < 300 µs                                                                                                                                                                                                       |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| Vertical, at the back of the enclosure ("book" format) or flat (requiring fan kit HMIYBFKT21, for BOX PC HMIBU●ND2P●1)                                                                                                                                               |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| 121 x 270 x 251                                                                                                                                                                                                                                                      |                                    | 136 x 270 x 251                                               |                                    | 217 x 270 x 251                                                                                                                                                                               |                                    |
| Conforming to IEC 61132-2, UL 508: 0...50 °C (mounted vertically) or 0...45 °C (mounted flat)                                                                                                                                                                        |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| 1.75 mm amplitude from 2...9 Hz,<br>0.5 g from 9...200 Hz (5)                                                                                                                                                                                                        | 0.125 g from 5...100 Hz            | 1.75 mm amplitude from 2...9 Hz,<br>0.5 g from 9...200 Hz (5) | 0.125 g from 5...100 Hz            | 1.75 mm amplitude from 2...9 Hz,<br>0.5 g from 9...200 Hz (5)                                                                                                                                 | 0.125 g from 5...100 Hz            |
| 3.5 mm amplitude from 2...9 Hz,<br>1 g from 9...200 Hz (5)                                                                                                                                                                                                           | 0.250 g from 5...100 Hz            | 3.5 mm amplitude from 2...9 Hz,<br>1 g from 9...200 Hz (5)    | 0.250 g from 5...100 Hz            | 3.5 mm amplitude from 2...9 Hz,<br>1 g from 9...200 Hz (5)                                                                                                                                    | 0.250 g from 5...100 Hz            |
| 1 mm from 5...13.2 Hz,<br>0.7 g from 13.2...100 Hz,<br>90 minutes endurance                                                                                                                                                                                          | —                                  |                                                               |                                    |                                                                                                                                                                                               |                                    |
| 15 g/11 ms conforming to IEC 60068-2-27 test Ea                                                                                                                                                                                                                      |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), ATEX II 3 Dust zone 22, C-Tick, GOST                                                                                                                   |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| With additional power supply filter HMIYLFIMAR11                                                                                                                                                                                                                     |                                    | —                                                             |                                    |                                                                                                                                                                                               |                                    |
| Complete range of Magelis iDisplay screens (refer to <a href="http://www.schneider-electric.com">www.schneider-electric.com</a> )                                                                                                                                    |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| Vijeo Designer Run Time Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC)                                                                                                                                                        |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| HMIBUFND2PF1                                                                                                                                                                                                                                                         | —                                  | HMIBPFDD27F1                                                  | —                                  | HMIBPFDD57F1                                                                                                                                                                                  | —                                  |
| HMIBUFND2P01                                                                                                                                                                                                                                                         | HMIBUHND2P01                       | HMIBPFDD2701                                                  | HMIBPHDD2701                       | HMIBPFDD5701                                                                                                                                                                                  | HMIBPHDD5701                       |
| 3/8                                                                                                                                                                                                                                                                  |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |
| See configured Magelis BOX PC on page 3/10                                                                                                                                                                                                                           |                                    |                                                               |                                    |                                                                                                                                                                                               |                                    |

(4) For an ~ supply voltage, an external Phaseo power supply can be used (see page 3/9).
(5) Conforming to IEC 60068-2-6 Fc.





Universal BOX PC  
1 PCI



Universal BOX PC/Performance BOX PC  
1 PCI + 1 PCI Express®



Performance BOX PC  
2 PCI + 3 PCI Express®

## Presentation

The Magelis BOX PC industrial PC offer includes products that are rugged and certified for automation applications.

With its Universal (1 or 2 PCI slots) and Performance (2 or 5 PCI slots) ranges, this Magelis BOX PC offer is suitable for all types of use that do not require an integrated screen:

- In a maintenance-free environment: Fanless Magelis BOX PC (unaffected by dust, no filters to clean, etc.) and without any rotating parts such as a Hard disk. Data storage on Compact Flash card or on Flash disk offers good resistance to vibration and long life.
- In a harsh environment: Magelis BOX PC without Hard disk
- In a standard environment: Magelis BOX PC with Hard disk

In addition to the referenced offer, the flexibility offered by the modular design allows made-to-order configuration of the Magelis BOX PC (see page 3/10).

This offer is compatible with Magelis iDisplay screens (refer to our website [www.schneider-electric.com](http://www.schneider-electric.com)).

## Overview of the range

### Universal Magelis BOX PC range (1) (2)

The Universal BOX PC range is equipped with the fanless Intel® ATOM™ N270 processor (1.6 GHz) and DDR2 RAM (3).

It is specifically for the following environments:

- "Maintenance-free" (fanless, with solid-state storage disk):
  - **HMIBUCND1E01:**
    - 1 PCI slot/Compact Flash card/Windows® Embedded Standard 2009, etc.
  - **HMIBUFND1P01** and **HMIBUFND1PF1:**
    - 1 PCI slot, Flash disk SSD, Windows® XP Professional SP3, etc.
  - **HMIBUFND2P01** and **HMIBUFND2PF1:**
    - 1 PCI + 1 PCI Express® slot/Flash disk SSD/Windows® XP Professional SP3, etc.
- Standard industrial environments (with Hard disk):
  - **HMIBUHND1P01:**
    - 1 PCI slot/Hard disk/Windows® XP Professional SP3, etc.
  - **HMIBUHND2P01:**
    - 1 PCI + 1 PCI Express® slot/Hard disk/Windows® XP Professional SP3, etc.

### Performance Magelis BOX PC range (1) (2)

The Performance BOX PC range is equipped with the Intel® Core™ 2 Duo P8400 processor (2.26 GHz) + Intel® GM45 chipset and DDR3 RAM (3).

It is specifically for the following environments:

- Harsh industrial environments (with solid-state storage disk):
  - **HMIBPFDD2701** and **HMIBPFDD27F1:**
    - 1 PCI + 1 PCI Express® / Flash disk SSD/Windows® 7 Ultimate 64-bit, etc.
  - **HMIBPFDD5701** and **HMIBPFDD57F1:**
    - 2 PCI + 3 PCI Express® / Flash disk SSD/Windows® 7 Ultimate 64-bit, etc.
- Standard industrial environments (with Hard disk):
  - **HMIBPHDD2701:**
    - 1 PCI + 1 PCI Express® / Hard disk/Windows® 7 Ultimate 64-bit, etc.
  - **HMIBPHDD5701:**
    - 2 PCI + 3 PCI Express® / Hard disk/Windows® 7 Ultimate 64-bit, etc.

(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® (1x for Magelis BOX PC 1 or 5 slots, 4x for Magelis BOX PC 2 slots).

(2) For description, see pages 3/6 and 3/7.

(3) Not user-expandable; increased capacity available in made-to-order configuration (see page 3/10).

## Presentation (continued)

### Overview of the range (continued)

#### Made-to-order Magelis BOX PC range (1)

On Universal and Performance Magelis BOX PC bases, it is possible to customize the CPU by selecting:

- The capacity of the Compact Flash card and the RAM
- The number of PCI and PCI Express® slots
- The operating system and dedicated HMI software
- Additional assembled options: PCI RAID card with 2 redundant Hard disks (2), battery-backed power supply interface module, etc.

For more information on HMIPCCB1 offer, see page 3/10.

## USB accessories for HMI terminals

The Magelis™ USB accessories are designed to expand selection range of user applications by offering value-added/differentiated HMI solutions. These innovative USB accessories can be easily installed and operated with HMI terminals (3).

The Magelis USB accessories supported by Magelis BOX PC include:

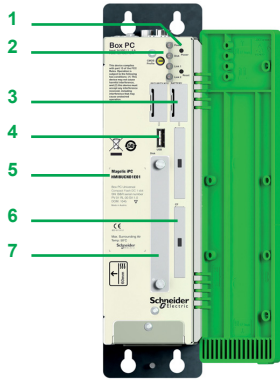
- Harmony XB5S biometric USB switch
- Magelis HMIZ illuminated USB switch

For more information on HMI USB accessories, please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com).

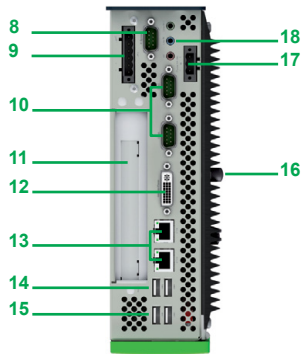
(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® (1x for Magelis BOX PC 1 or 5 slots, 4x for Magelis BOX PC 2 slots).

(2) Operating temperature details available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

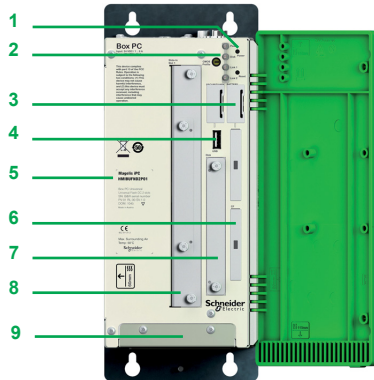
(3) Requires Vijeo Designer software running on the Magelis Box PC.



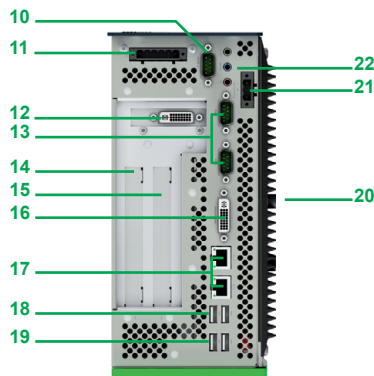
Front panel of Magelis BOX PC, door open  
1 PCI slot



Top panel of Magelis BOX PC  
1 PCI slot



Front panel of Magelis BOX PC, door open  
2 PCI slots



Top panel of Magelis BOX PC  
2 PCI slots

### Description

#### Universal Magelis BOX PC CPUs, 1 PCI slot

##### Front panel, door open

- 1 2 pushbuttons: 1 for power supply and 1 for resetting
- 2 4 status and power supply LEDs, also visible with the front panel door closed
- 3 Battery
- 4 USB 2.0 port (1 A max.)
- 5 Identification (reference, serial number, etc.)
- 6 Slot for Compact Flash card:
  - With Compact Flash (SLC technology)  $\geq 4$  GB (BOX PC **HMIBUCND1E01**)
  - Free slot (BOX PC **HMIBUFND1P●1**, BOX PC **HMIBUHND1P01**)
- 7 Slide-in compact rack:
  - Free slot (BOX PC **HMIBUCND1E01**)
  - With Flash disk SSD  $\geq 60$  GB (BOX PC **HMIBUFND1P●1**)
  - With Hard disk enterprise 24/7  $\geq 500$  GB (BOX PC **HMIBUHND1P01**)

##### Top panel

- 8 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMIYBINSL11**) (1)
- 9 Free slot for battery-backed power supply interface module (2)
- 10 2 RS232C ports
- 11 Half-format PCI 2.2 slot
- 12 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) (1)
- 13 2 Ethernet 10/100/1000 Mbps ports
- 14 2 USB 2.0 ports (0.5 A max.)
- 15 2 USB 2.0 ports (1 A max.)
- 16 Heat sink (3)
- 17 Connector for the CPU 24 V  $\sim$ /6 A power supply (4)
- 18 Micro input, line input/line output

#### Universal and Performance Magelis BOX PC CPUs, 2 PCI slots

##### Front panel, door open

- 1 2 pushbuttons: 1 for the power supply and 1 for resetting
- 2 4 status and power supply LEDs, also visible with the front panel door closed
- 3 Battery
- 4 USB 2.0 port (1 A max.)
- 5 Identification (reference, serial number, etc.)
- 6 Free slot for Compact Flash card
- 7 Slide-in compact rack:
  - With Flash disk SSD  $\geq 60$  GB (BOX PC **HMIB●F●D2●●1**)
  - With Hard disk enterprise 24/7  $\geq 500$  GB (BOX PC **HMIB●H●D2●01**)
- 8 Slide-in rack with the DVD-RW drive included (5). Can be used for an additional storage disk with adaptor (**HMIYADSLIDEIN11**) (1)
- 9 Access to the fan filters (7) (BOX PC **HMIBP●DD●7●●1**)

##### Top panel

- 10 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMIYBINSL11**) (1)
- 11 Free slot for battery-backed power supply interface module (2)
- 12 Free slot for additional DVI interface (**HMIYINDVIRGB11**) (1)
- 13 2 RS232C ports
- 14 Half-format PCI Express® 4x slot
- 15 Half-format PCI 2.2 slot
- 16 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) (1)
- 17 2 Ethernet 10/100/1000 Mbps ports
- 18 2 USB 2.0 ports (0.5 A max.)
- 19 2 USB 2.0 ports (1 A max.)
- 20 Heat sink (3)
- 21 Connector for the CPU 24 V  $\sim$ /6 A power supply (4)
- 22 Micro input, line input/line output

(1) To be ordered separately (see page 3/9).

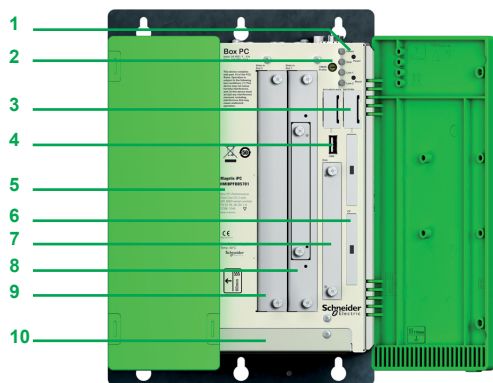
(2) To be ordered separately in made-to-order configuration (see page 3/10).

(3) For installation, please refer to the "product data sheet" on our website [www.schneider-electric.com](http://www.schneider-electric.com).

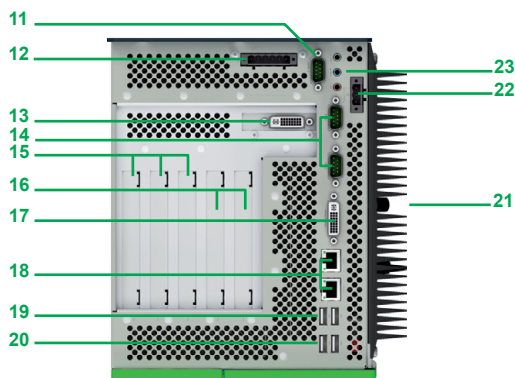
(4) Consumption excluding additional PCI card. For an  $\sim$  supply voltage, an external Phaseo power supply can be used (see page 3/9).

(5) Operating temperature details available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(6) Fans can be replaced by the user using the BOX PC fan kit (to be ordered separately, see page 3/9).



Front panel of Magelis BOX PC, door open  
5 PCI slots



Top panel of Magelis BOX PC  
5 PCI slots

## Description (continued)

### Performance Magelis BOX PC CPUs, 5 PCI slots

#### Front panel, door open

- 1 2 pushbuttons: 1 for power supply and 1 for resetting
- 2 4 status and power supply LEDs, also visible with the front panel door closed
- 3 Battery
- 4 USB 2.0 port (1 A max.)
- 5 Identification (reference, serial number, etc.)
- 6 Free slot for Compact Flash card
- 7 Slide-in compact rack:
  - With Flash disk SSD  $\geq 60$  GB (BOX PC **HMIBPFDD57●1**)
  - With Hard disk enterprise 24/7  $\geq 500$  GB (BOX PC **HMIBPHDD5701**)
- 8 Slide-in rack with the DVD-RW drive included (1)
- 9 Slide-in rack for additional storage disk with adaptor (**HMIYADSLIDEIN11**) (2)
- 10 Access to the fan filters (3)

#### Top panel

- 11 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMIYBINSL11**) (2)
- 12 Free slot for battery-backed power supply interface module (4)
- 13 Free slot for additional DVI interface (**HMIYINDVIRGB11**) (2)
- 14 2 RS232C ports
- 15 3 half-format PCI Express® 1x slots
- 16 2 half-format PCI 2.2 slots
- 17 DVI port - RGB connection with adaptor (**HMIYADDVIRGB11**) (1)
- 18 2 Ethernet 10/100/1000 Mbps ports
- 19 2 USB 2.0 ports (0.5 A max.)
- 20 2 USB 2.0 ports (1 A max.)
- 21 Heat sink (5)
- 22 Connector for the CPU 24 V  $\sim$ /6 A power supply (6)
- 23 Micro input, line input/output

(1) Operating temperature details available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) To be ordered separately (see page 3/9).

(3) Fans can be replaced by the user using the BOX PC fan kit (to be ordered separately, see page 3/9).

(4) To be ordered separately in made-to-order configuration (see page 3/10).

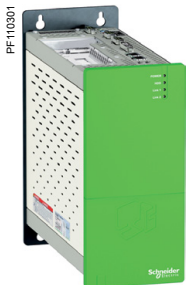
(5) Refer to the installation precautions available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(6) Consumption excluding additional PCI card. For an  $\sim$  supply voltage, an external Phaseo power supply can be used (see page 3/9).



HMIBU●ND1●●1

3

HMIBU●ND2P●1  
HMIBP●DD27●1

HMIBP●DD57●1

## Universal Magelis BOX PC, 1 or 2 PCI slots

(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM/24 V ~ supply voltage) (1)

| PCI slot                                | Operating system                    | Software                                                | Storage disk                          | DDR2 RAM (4) | Reference    | Weight kg/lb     |
|-----------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------|--------------|--------------|------------------|
| <b>For maintenance-free environment</b> |                                     |                                                         |                                       |              |              |                  |
| 1 PCI                                   | Windows® Embedded Standard 2009 (2) | Vijeo Designer RT Demo (3)                              | Compact Flash ≥ 4 GB (SLC technology) | 1 GB         | HMIBUCND1E01 | 4.000/<br>8.818  |
|                                         |                                     | Vijeo Designer RT Demo (3)                              | Flash disk SSD ≥ 60 GB                | 1 GB         | HMIBUFND1P01 | 4.000/<br>8.818  |
|                                         |                                     | Vijeo Designer RT Demo (3)<br>Vijeo Citect Full 500 I/O | Flash disk SSD ≥ 60 GB                | 2 GB         | HMIBUFND1PF1 | 4.000/<br>8.818  |
| 1 PCI +<br>1 PCI Express®               | Windows® XP Professional SP3        | Vijeo Designer RT Demo (3)                              | Flash disk SSD ≥ 60 GB                | 1 GB         | HMIBUFND2P01 | 5.000/<br>11.023 |
|                                         |                                     | Vijeo Designer RT Demo (3)<br>Vijeo Citect Full 500 I/O | Flash disk SSD ≥ 60 GB                | 2 GB         | HMIBUFND2PF1 | 5.000/<br>11.023 |

## For standard industrial environment

|                           |                              |                            |                                    |      |              |                  |
|---------------------------|------------------------------|----------------------------|------------------------------------|------|--------------|------------------|
| 1 PCI                     | Windows® XP Professional SP3 | Vijeo Designer RT Demo (3) | Hard disk enterprise 24/7 ≥ 500 GB | 1 GB | HMIBUHND1P01 | 4.000/<br>8.818  |
| 1 PCI +<br>1 PCI Express® | Windows® XP Professional SP3 | Vijeo Designer RT Demo (3) | Hard disk enterprise 24/7 ≥ 500 GB | 1 GB | HMIBUHND2P01 | 5.000/<br>11.023 |

## Performance Magelis BOX PC, 2 or 5 PCI slots

(Intel® Core™ 2 Duo P8400 processor (2.26 GHz) / DDR3 RAM / 24 V ~ supply voltage) (1)

| PCI slot                                   | Operating system           | Software                                                | Storage disk                       | DDR3 RAM (4) | Reference    | Weight kg/lb      |
|--------------------------------------------|----------------------------|---------------------------------------------------------|------------------------------------|--------------|--------------|-------------------|
| <b>For standard industrial environment</b> |                            |                                                         |                                    |              |              |                   |
| 1 PCI +<br>1 PCI Express®                  | Windows® 7 Ultimate 64-bit | Vijeo Designer RT Demo (3)                              | Hard disk enterprise 24/7 ≥ 500 GB | 2 GB         | HMIBPHDD2701 | 6.000/<br>13.227  |
|                                            |                            | Vijeo Designer RT Demo (3)<br>Vijeo Citect Full 500 I/O | Hard disk enterprise 24/7 ≥ 500 GB | 2 GB         | HMIBPHDD5701 | 7.000 /<br>15.432 |
| 2 PCI +<br>3 PCI Express®                  | Windows® 7 Ultimate 64-bit | Vijeo Designer RT Demo (3)                              | Flash disk SSD ≥ 60 GB             | 2 GB         | HMIBPFDD2701 | 6.000/<br>13.227  |
|                                            |                            | Vijeo Designer RT Demo (3)<br>Vijeo Citect Full 500 I/O | Flash disk SSD ≥ 60 GB             | 4 GB         | HMIBPFDD27F1 | 6.000/<br>13.227  |
|                                            |                            | Vijeo Designer RT Demo (3)<br>Vijeo Citect Full 500 I/O | Flash disk SSD ≥ 60 GB             | 2 GB         | HMIBPFDD5701 | 7.000/<br>15.432  |
| 2 PCI +<br>3 PCI Express®                  | Windows® 7 Ultimate 64-bit | Vijeo Designer RT Demo (3)                              | Flash disk SSD ≥ 60 GB             | 2 GB         | HMIBPFDD5701 | 7.000/<br>15.432  |
|                                            |                            | Vijeo Designer RT Demo (3)<br>Vijeo Citect Full 500 I/O | Flash disk SSD ≥ 60 GB             | 4 GB         | HMIBPFDD57F1 | 7.000/<br>15.432  |

(1) For an ~ supply voltage, an external Phaseo power supply can be used (see page 3/9).

(2) Windows® Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Acrobat Reader, Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
- Vijeo Citect Web Client
- Vijeo Designer Run Time Demo (3)

(3) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC) (see page 3/9).

(4) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 3/10).



| Separate components                                                                      |                                                                                                                                                                                                                            |                                                                                 |             |                      |                 |
|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------|----------------------|-----------------|
| Description                                                                              | Details                                                                                                                                                                                                                    | Compatible with Magelis BOX PC ranges:                                          |             | Reference            | Weight<br>kg/lb |
|                                                                                          |                                                                                                                                                                                                                            | Universal                                                                       | Performance |                      |                 |
| Storage disks, peripheral equipment, kits                                                |                                                                                                                                                                                                                            |                                                                                 |             |                      |                 |
| Hard disk                                                                                | 500 GB, blank                                                                                                                                                                                                              | All models                                                                      |             | HMIYHDD050011        | —               |
| Flash disk SSD                                                                           | 60 GB, blank                                                                                                                                                                                                               | All models                                                                      |             | HMIYSDD006011        | —               |
| Compact Flash card<br>(SLC technology)                                                   | 2 GB, blank                                                                                                                                                                                                                | All models                                                                      |             | HMIYCFS0211          | —               |
|                                                                                          | 4 GB, blank                                                                                                                                                                                                                | All models                                                                      |             | HMIYCFS0411          | —               |
|                                                                                          | 8 GB, blank                                                                                                                                                                                                                | All models                                                                      |             | HMIYCFS0811          | —               |
| DVD-RW drive for slide-in rack (1)                                                       | CD-RW and DVD-RW reader/writer                                                                                                                                                                                             | BOX PC, 2 PCI and 5 PCI slots                                                   |             | HMIYDRDVDRW11        | —               |
| Slide-in adaptor for storage disk (7)                                                    | Used to insert a Hard disk or an SSD Flash disk in a slide-in rack                                                                                                                                                         | BOX PC, 2 PCI and 5 PCI slots                                                   |             | HMIYADSLIDEIN11      | —               |
| Additional DVI interface                                                                 | Provides a second DVI interface                                                                                                                                                                                            | BOX PC, 2 PCI and 5 PCI slots                                                   |             | HMIYINDVIRGB11       | —               |
| DVI/VGA RGB adaptor                                                                      | For connecting an RGB screen to the integrated DVI port                                                                                                                                                                    | All models                                                                      |             | HMIYADDVIRGB11       | —               |
| RAID PCI card with 2 redundant Hard disks (1)                                            | PCI card equipped with two redundant Hard disks enterprise 24/7 ≥ 500 GB                                                                                                                                                   | All models                                                                      |             | HMIYRAIDPCI11        | —               |
| Hard disk for RAID PCI card                                                              | Replacement Hard disk for RAID PCI card HMIYRAIDPCI11                                                                                                                                                                      | BOX PC + RAID PCI card HMIYRAIDPCI11                                            |             | HMIYRAIDD050011      | —               |
| Additional serial link interface                                                         | RS232C/RS422/RS485 serial link                                                                                                                                                                                             | All models                                                                      |             | HMIYBINSL11          | —               |
| Backup power supply kit                                                                  | Provides an uninterruptible power supply.<br>Includes:<br>■ 1 backup battery<br>■ 1 x 3 m cordset                                                                                                                          | Magelis BOX PC configured with battery-backed power supply interface module (2) |             | HMIYUPSKT11          | —               |
| Power supply filter for marine certification                                             | Necessary for compliance with marine certification.                                                                                                                                                                        | BOX PC:<br>HMIBUCND1E01 and<br>HMIBUFND●P●1                                     | —           | HMIYLFIMAR11         | —               |
| Maintenance kit for BOX PC                                                               | Includes:<br>■ 1 x 3-way removable connector for 24 V ~ power supply<br>■ 15 replacement filters for fan, including:<br>□ 5 for Magelis BOX PC - 1 PCI<br>□ 5 for Magelis BOX PC - 2 PCI<br>□ 5 for Magelis BOX PC - 5 PCI | All models                                                                      |             | HMIYBMKT11           | —               |
| Fan kit for BOX PC                                                                       | Enables:<br>■ Replacement of fans by the user<br>■ Flat mounting of fanless Magelis BOX PC (3)                                                                                                                             | BOX PC, 1 PCI                                                                   |             | HMIYBFKT11           | —               |
|                                                                                          |                                                                                                                                                                                                                            | BOX PC, 2 PCI                                                                   |             | HMIYBFKT21           | —               |
|                                                                                          |                                                                                                                                                                                                                            | BOX PC, 5 PCI                                                                   |             | HMIYBFKT51           | —               |
| Software                                                                                 |                                                                                                                                                                                                                            |                                                                                 |             |                      |                 |
| Vijeo Designer Run Time license for 1 workstation                                        | Converts the 21-day trial version of Vijeo Designer Run Time Demo to an unlimited license.                                                                                                                                 | All models                                                                      |             | VJDSNRTMPC           | —               |
| Intelligent Data Service license extension for Vijeo Designer Run Time for 1 workstation | Used to track the process variables and all operator actions, and offers visibility of the key process values                                                                                                              | All models (requires storage capacity ≥ 4 GB)                                   |             | VJDSNTRCKV60M        | —               |
| External Phaseo power supply                                                             |                                                                                                                                                                                                                            |                                                                                 |             |                      |                 |
| Phaseo regulated switch mode power supply ABL 8 Rail mounting                            | Input voltage: 100...120 V/200...500 V ~ (4)<br>Output voltage: 24 V ~<br>Power: 120 W                                                                                                                                     | All models                                                                      |             | ABL8RPS24050 (5) (6) | 0.700/<br>1.543 |
| Phaseo regulated switch mode power supply ABL 4 Rail mounting                            | Input voltage: 100...230 V ~ (4)<br>Output voltage: 24 V ~<br>Power: 120 W                                                                                                                                                 | All models                                                                      |             | ABL4RSM24050 (5) (6) | 0.500/<br>1.102 |

(1) Operating temperature details available on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) For configured Magelis BOX PC see page 3/10.

(3) Operating temperature for flat mounting: 0...45 °C (see pages 3/2 and 3/3).

(4) Single-phase connection. Phase-to-phase connection possible on certain American line supplies, please contact our Customer Care Center.

(5) If adding a PCI card, you need to select a Phaseo power supply with a power rating suitable for the extra consumption. Please refer to the "Phaseo power supply and transformer" catalog on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(6) To order this reference, please contact our Customer Care Center.

(7) The user has to check for third party drive compliancy.



**Configured Magelis BOX PC industrial PC**

With the “configured PC” service, Schneider Electric offers a vast number of configuration combinations for Magelis PCs.

This service, available exclusively from our Customer Care Center, allows users to configure a certified product suitable for specific automation applications and environments, based on Universal and Performance Magelis BOX PCs.

Our Customer Care Center draws up:

- The complete parts list for the configured Magelis BOX PC
- Its selling price
- The complete reference (root + code which varies according to the configuration)
- A purchase order

**Ordering procedure for a configured Magelis BOX PC**

- 1 Please contact our Customer Care Center.
- 2 State the reference root **HMIPCCB1** corresponding to a request for a configured Magelis BOX PC. It will be completed with the variable part of the reference, once configuration is complete.
- 3 Configure your Magelis BOX PC (see table below).
- 4 Confirm your order.

**References**

| Description                      |                                                                                                                                                                                                                                                                                                         |                                                                                                        | Reference    | Weight<br>kg/lb |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------|-----------------|
| Configured Magelis BOX PC<br>(1) | Reference root to be stated to our Customer Care Center. The configuration should be made up from the components below.                                                                                                                                                                                 |                                                                                                        | HMIPCCB1 (2) | —               |
| Description                      | Available on Magelis BOX PC base                                                                                                                                                                                                                                                                        |                                                                                                        | Reference    | Weight<br>kg/lb |
|                                  | Universal<br>Processor<br>Intel® ATOM™ N270 (1.6 GHz)<br>DDR2 RAM<br>Supply voltage<br>24 V --- supply voltage                                                                                                                                                                                          | Performance<br>Intel® Core™ 2 Duo P8400<br>processor (2.26 GHz)<br>DDR3 RAM<br>24 V --- supply voltage |              |                 |
| RAM                              | 3 GB max. (DDR2)                                                                                                                                                                                                                                                                                        | 8 GB max. (DDR3)                                                                                       | (2)          | —               |
| Peripheral storage devices       | Compact Flash card 8 GB max. (SLC technology)<br>Up to 2 Flash disks SSD ≥ 60 GB<br>Up to 2 Hard disks enterprise 24/7 ≥ 500 GB                                                                                                                                                                         |                                                                                                        |              |                 |
| Other peripheral device          | DVD-RW drive                                                                                                                                                                                                                                                                                            |                                                                                                        |              |                 |
| PCI slot configuration           | 1 PCI or 1 PCI Express®<br>1 PCI + 1 PCI Express® or 2 PCI<br>2 PCI + 3 PCI Express® or 4 PCI + 1 PCI Express®                                                                                                                                                                                          |                                                                                                        |              |                 |
| Operating systems                | Windows® Embedded Standard 2009<br>Windows® Embedded Standard 7 32-bit<br>Windows® XP PRO SP3<br>Windows® 7 Ultimate 32-bit<br>Windows® 7 Ultimate 64-bit                                                                                                                                               |                                                                                                        |              |                 |
| Software                         | Vijeo Designer Run Time<br>Vijeo Citect                                                                                                                                                                                                                                                                 |                                                                                                        |              |                 |
| Assembled options                | RAID PCI card with 2 redundant Hard disks<br>Interface module for backup power supply required for the HMIYUPSKT11 backup power supply kit (see page 3/9)<br>Additional RS232C/RS422/RS485 serial link interface<br>Additional DVI interface (needs a configuration with 2 or 5 PCI/PCI Express® slots) |                                                                                                        |              |                 |

(1) Please contact our Customer Care Center.

(2) The reference of configured Magelis BOX PC industrial PCs is made up of a root (HMIPCCB1) followed by a variable part generated during configuration.

| Old industrial PCs                                                        |               | Replaced by Magelis BOX PCs                             |                                                                |
|---------------------------------------------------------------------------|---------------|---------------------------------------------------------|----------------------------------------------------------------|
| Description                                                               | Reference     | Description                                             | References                                                     |
| <b>Magelis Smart BOX</b>                                                  |               | <b>Magelis BOX PC (1 PCI slot)</b>                      |                                                                |
| Magelis Smart BOX 100...240 V ~                                           | MPCSN01NAJ00T | Universal Magelis BOX PC                                | HMIBUCND1E01 + Phaseo power supply (1)                         |
| Magelis Smart BOX 24 V ---                                                | MPCSN01NDJ00T | Universal Magelis BOX PC                                | HMIBUCND1E01                                                   |
| <b>Magelis Compact PC BOX (1 PCI slot)</b>                                |               | <b>Magelis BOX PC (1 PCI slot)</b>                      |                                                                |
| Magelis Compact PC BOX 100...240 V ~                                      | MPCKN02NAX00N | Universal Magelis BOX PC                                | HMIBUHND1P01 + Phaseo power supply (1)                         |
| <b>Magelis Flex PC BOX F (2 PCI slots)</b>                                |               | <b>Magelis BOX PC (2 PCI slots)</b>                     |                                                                |
| Magelis Flex PC BOX (Celeron M) 100...240 V ~                             | MPCFN02NAX00N | Universal Magelis BOX PC                                | HMIBUHND2P01 + Phaseo power supply (1)                         |
| Magelis Flex PC BOX (Celeron M) 24 V ---                                  | MPCFN02NDX00N | Universal Magelis BOX PC                                | HMIBUHND2P01                                                   |
| Magelis Flex PC BOX (Core Duo) 100...240 V ~                              | MPCFN05NAX00N | Performance Magelis BOX PC                              | HMIBPHDD2701 + Phaseo power supply (1)                         |
| Magelis Flex PC BOX (Core Duo) 24 V ---                                   | MPCFN05NDX00N | Performance Magelis BOX PC                              | HMIBPHDD2701                                                   |
| Magelis Flex PC BOX (Core Duo) 100...240 V ~                              | MPCFN05MAX00N | Performance Magelis BOX PC                              | HMIBPFDD2701 + Phaseo power supply (1)                         |
| Magelis Flex PC BOX (Core Duo) 100...240 V ~<br>Vijeo Citect Full 500 I/O | MPCFN05MAX00V | Performance Magelis BOX PC<br>Vijeo Citect Full 500 I/O | HMIBPFDD27F1 + Phaseo power supply (1)                         |
| <b>Magelis Flex PC BOX H (4 PCI slots)</b>                                |               | <b>Magelis BOX PC (5 PCI slots)</b>                     |                                                                |
| Magelis Flex PC BOX (Celeron M) 100...240 V ~                             | MPCHN02NAX00N | Performance Magelis BOX PC                              | HMIBPHDD5701                                                   |
| Magelis Flex PC BOX (Core Duo) 100...240 V ~                              | MPCHN05NAX00N | Performance Magelis BOX PC                              | HMIBPHDD5701 + Phaseo power supply (1)                         |
| Magelis Flex PC BOX (Core Duo) 100...240 V ~<br>with backup battery       | MPCHN05NBX00N | Configured Magelis BOX PC (2)                           | HMIPCCB1B5CB26K10N + kit HMIYUPSKT11 + Phaseo power supply (1) |
| Magelis Flex PC BOX (Core Duo) 24 V ---                                   | MPCHN05NDX00N | Performance Magelis BOX PC                              | HMIBPHDD5701                                                   |
| Magelis Flex PC BOX (Core Duo) 100...240 V ~                              | MPCHN05MAX00N | Performance Magelis BOX PC                              | HMIBPFDD5701 + Phaseo power supply (1)                         |
| Magelis Flex PC BOX (Core Duo) 100...240 V ~<br>Vijeo Citect Full 500 I/O | MPCHN05MAX00V | Performance Magelis BOX PC<br>Vijeo Citect Full 500 I/O | HMIBPFDD57F1 + Phaseo power supply (1)                         |

(1) ABL8RPS24050 or ABL4RSM24050 Phaseo power supply (see page 3/9).

(2) See page 3/10.



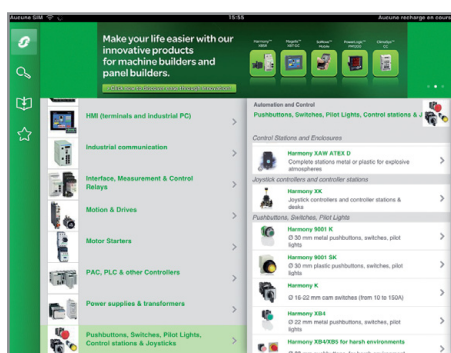
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|                                                         |          |
|---------------------------------------------------------|----------|
| ■ How to find products?                                 |          |
| □ Search, visualize, and download .....                 | page 4/2 |
| □ Access product references with adapted tools .....    | page 4/4 |
| □ Compare, select, and compile .....                    | page 4/6 |
| □ Check the product status, design your equipment ..... | page 4/7 |
| ■ Product references index .....                        | Page 4/8 |

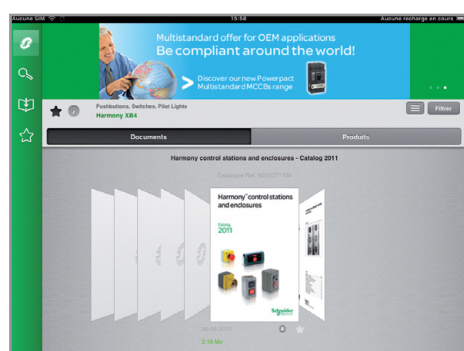
Use your tablet or your PC to quickly access detailed and comprehensive information on our products



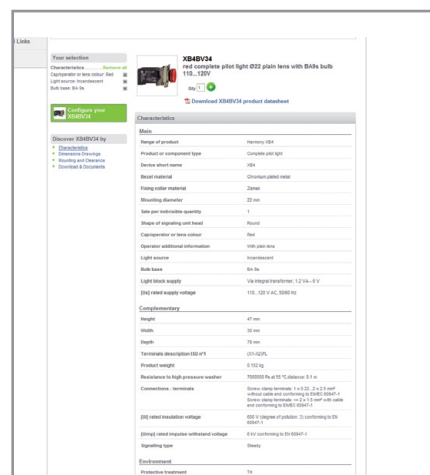
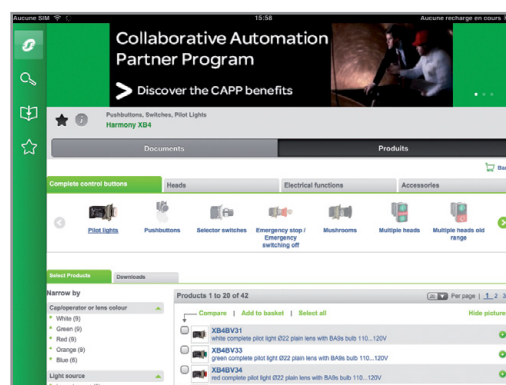
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## Product ranges displayed by function



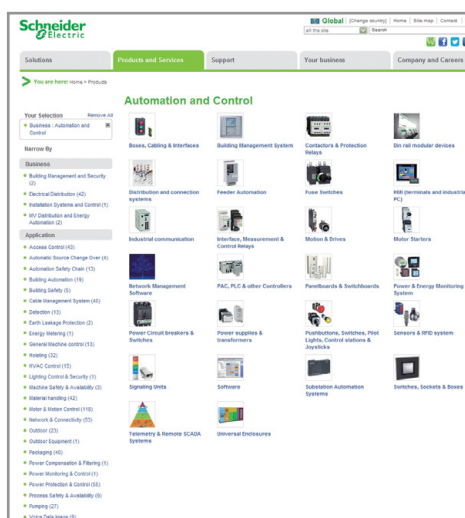
### Dynamic catalogs (hyperlinks, video, ...)



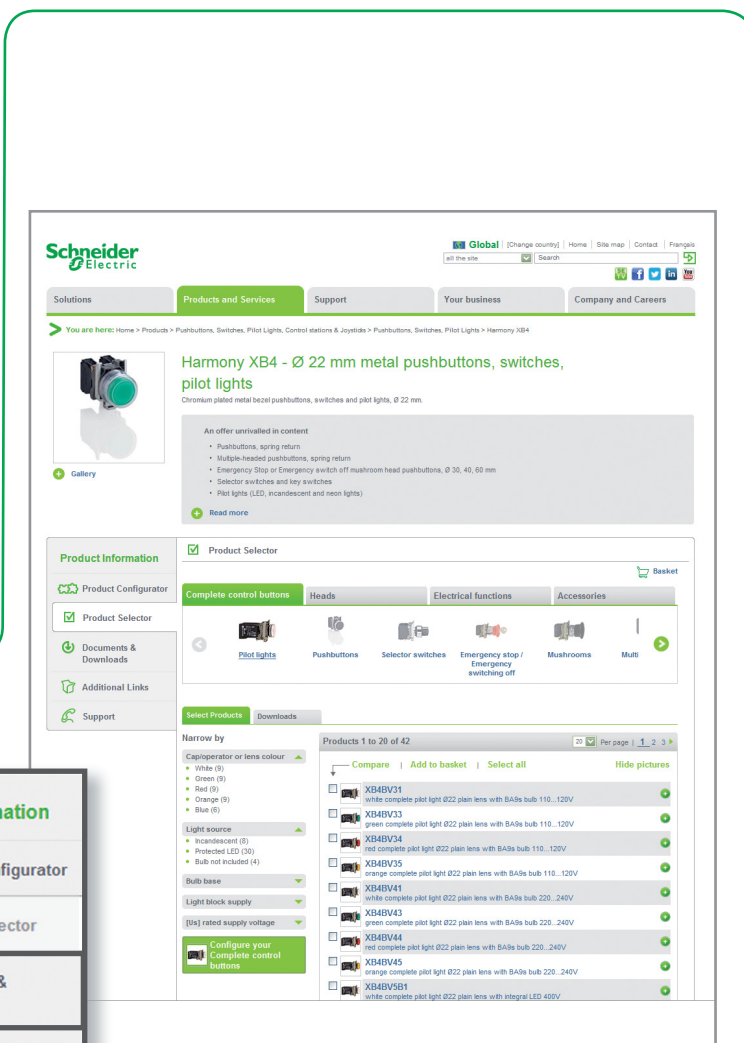
**Product selector:** dynamic filters to get easily your part number

# Personal computer

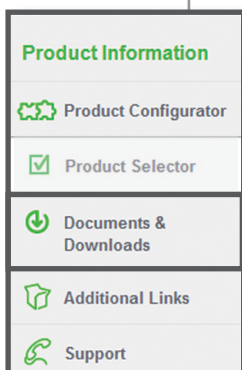
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**Product ranges**  
displayed by function



**Dynamic catalogs**  
(hyperlinks, video, ...)



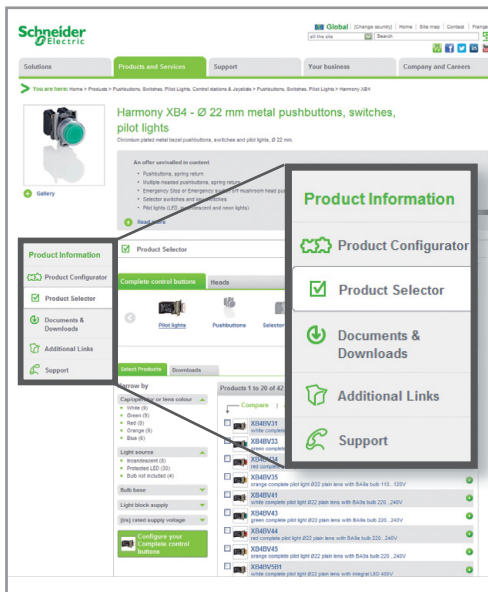
**Product selector:** dynamic filters to  
get easily your part number



# Access product references with adapted tools

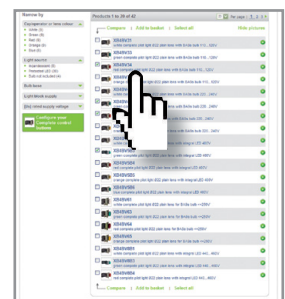
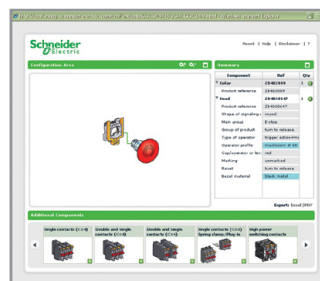
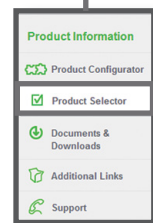
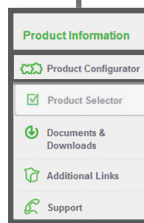


Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > ... > Product offer

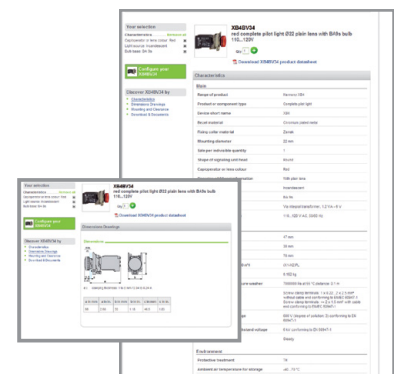


**Graphic product configurator**  
Select the right product with just a few clicks

**Dynamic product selector**  
Visualize product characteristics and dimensions



**Product data sheet**  
with technical characteristics  
and dimensions

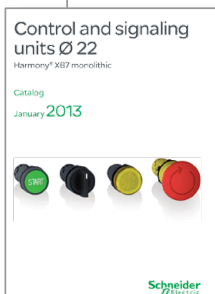
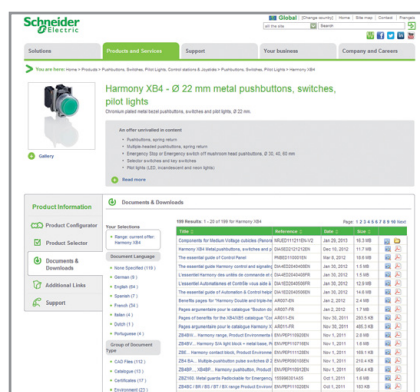
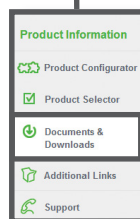


**Dimensions**

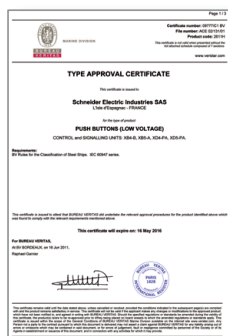
**Technical  
characteristics**

## Documents and downloads

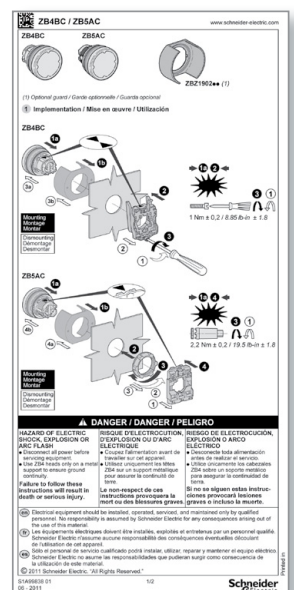
Visualize and download catalogues, technical publications, certificates, etc.



## Essential guides



## Certificates



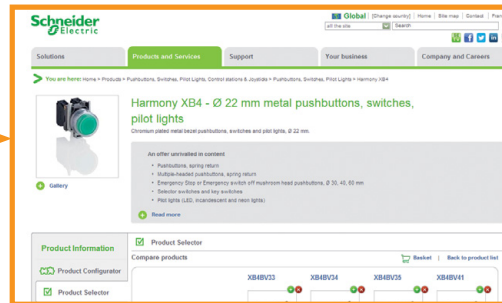
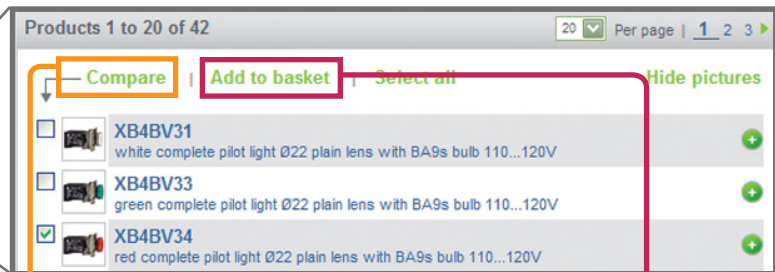
## Technical publications

## Dynamic catalogs

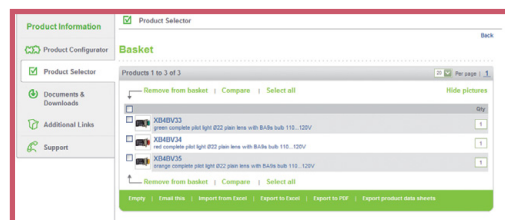
# Compare, select, and compile



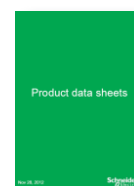
Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > ... > Harmony XB4\*



Compare technical characteristics



Select and store your products into the basket



Compile data sheets in a unique document

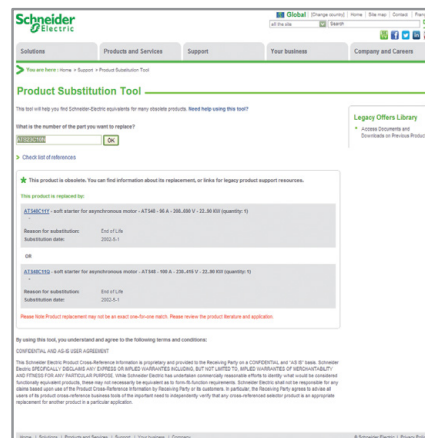
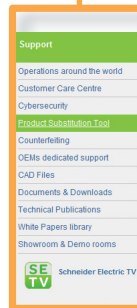
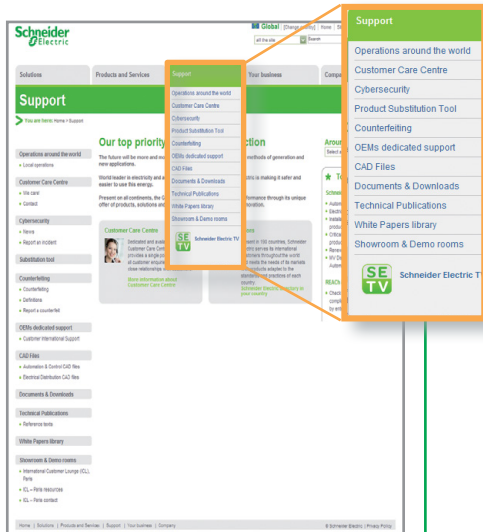
\* Example of research on a product

# Check the product status, design your equipment

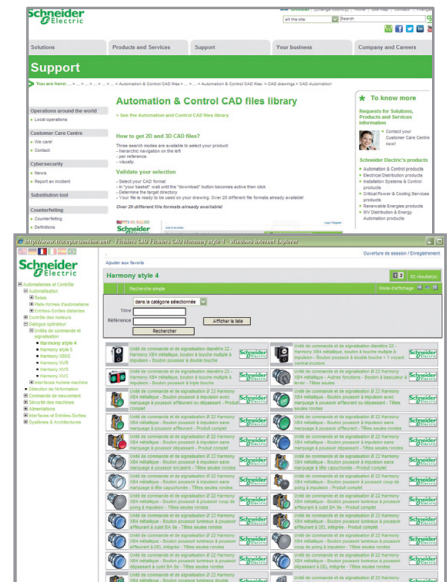


Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Support** > Product Substitution Tool

Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Support** > CAD files



**Product status:**  
indicate whether the product  
is still commercialized.  
Otherwise, the tool suggests a  
product substitution.



**CAD files:**  
available in various formats  
they will be easily integrated  
into your installation design  
software.

4/8

