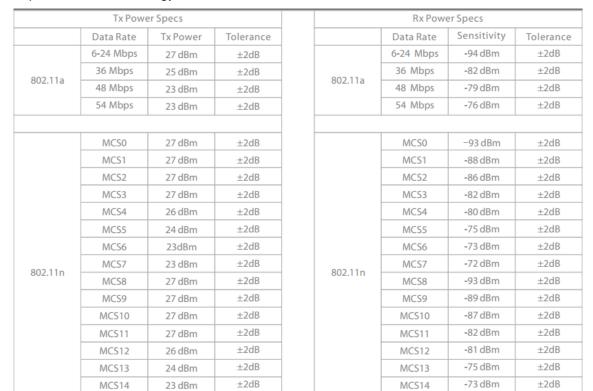


WI-CPE515 5.8GHz 300Mbps Outdoor CPE Data sheet

Highlights

- 500mW High power output, coverage up to 10KM for PTP and PTMP wireless CCTV application
- 10KM wireless transmit for Carry 8-10pcs 1080P camera
- auto-connect for PTP/PTMP application, no need setting software
- Wireless A/N speed up to 300Mbps
- Support open frequency from 4920 to 6100 MHz
- Inside 60 degree16dBi Directional Antenna Technology
- 27dBm High-Power design
- 2x2 MIMO Technology
- Passive PoE Adapter supports up to 100 meter
- Atheros AR9344 600MHz Chipset,64MB RAM
- 10KV Lightning Protection
- Super TDMA Technology



±2dB

23 dBm



-72 dBm

MCS15

±2dB

MCS15

Description

Wi-Tek's WI-CPE515 is a 5GHz 300Mbps 2x2 MIMO outdoor wireless CPE based on 802.11a/n technology. It is high performance, cost-effective and dedicated to long distance wireless CCTV network solutions. Featuring the revolutionary Wi-Tek technology in firmware design and 16dBi directional dual-polarized antenna, WI-CPE515 is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions. is widely used in various fields of communication:

- ◆ Point-to-point, Point-to-multipoint wireless communication
- ♦ Wireless Video Surveillance
- ◆ Enterprise wireless LAN interconnection
- ◆ Mobile operators WISP large customer access system
- ◆ Wi-Fi Wireless city coverage

Typical Applications



Specifications

| HARDWARE FEATURES | |
|-------------------|---------------------------------------|
| Processor | Atheros AR9344 |
| Memory | 64MB SDRAM 8MB Flash |
| Interface | 1X10/100BASE-TX Ethernet Interface |

| Power Supply | 24V Passive PoE Adapter Included |
|-----------------------------|--|
| Power Consumption | 8W |
| Dimensions (H x W x D) | 260x100x60mm |
| Antenna Type | Built-in 16dBi Dual-polarized Antenna Horizontal beam width: 60degree Vertical beam width: 15degree |
| Protection | 10KV Lightning Protection |
| Enclosure | Outdoor UV Stabilized Plastic IP65 waterproof Certification |

| WIRELESS FEATURES | |
|-----------------------|--|
| Wireless Standards | 802.11a/n |
| Protocol | CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP TDMA |
| Wireless Mode | AP, Client, |
| Wireless Speeds | 11a:54M,48M,36M,24M,18M,12M ,9M,6Mbps 11n:6.5M, 13M, 13.5M, 19.5M, 26M, 27M, 39M, |

| WIRELESS FEATURES | |
|-----------------------|---|
| | 40.5M, 52M, 54M, 58.5M, 65M, 81M, 108M, 121.5M, 135M, 150M, 270M, 300Mbps |
| Frequency | 4920-6100MHz |
| Transmission Power | 27dBm(500mW) |

| SOFTWARE FEATURES | |
|----------------------------|---|
| Wireless Configurations | 802.11a/n Modes Selectable Channel Width: 20/40MHz Automatic Channel Selection Transmission Power Control Dynamic Frequency Selection (DFS) WDS Enable/Disable Security: WPA/WPA2, WPA- PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption SSID Broadcast Enable/Disable Distance/ACK Timeout Setting Wireless MAC Address Filter Wireless Advanced: > Beacon Interval/RTS Threshold/Fragmentation >Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia |
| Management | WEP management |

| SOFTWARE FEATURES | |
|-------------------------------|---|
| | SSH Telnet Serial SNMP |
| System-level Optimizations | Optimized IGMP Snooping/Proxy for multicast applications Hardware watch dog |

| OTHERS | |
|------------------------|---|
| Certification | CE |
| Package Contents | 1*CPE 1*PoE Adapter 1* Pole Mounting Kit included |
| System Requirements | Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 10, Windows 8, Windows 7, MAC OS, NetWare, UNIX or Linux. Note: We recommend you to use one of following Web browsers for an improved user experience: Google Chrome, Safari, and Firefox. IE browsers are not recommended. |
| Environment | Working Temp: -40 ~ 70°C Storage Temp: -40 ~85°C Working Humidity: 10%~95% non- condensing |