WI-CPE211
2.4GHz 300Mbps
Outdoor CPE Data sheet

Highlights

- 300mW High power output, coverage up to 5KM for PTP and PTMP application
- Wireless B/G/N speed up to 300Mbps
- Support AP, Client, AP-Repeater, Mesh wireless mode
- Support open frequency from 2300 to 2700 MHz
- Inside 60 degree12dBi Directional Antenna Technology
- 25dBm High-Power design
- 2x2 MIMO Technology
- Passive PoE Adapter supports up to 100 meter
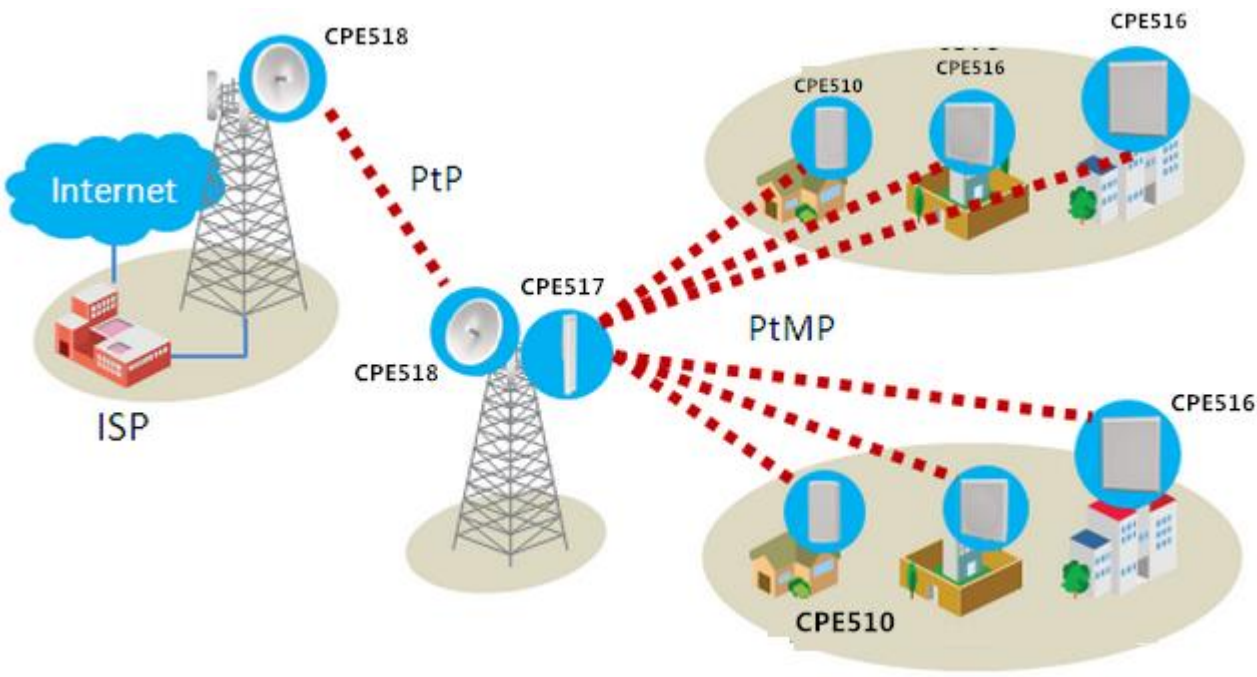- Atheros AR9341 600MHz Chipset,64MB RAM
- 10KV Lightning Protection

Tx Power Specs					Rx Power Specs			
	Data Rate	Tx Power	Tolerance			Data Rate	Sensitivity	Tolerance
802.11b/g/n	1-24 Mbps	28 dBm	±2dB		802.11b/g/n	1-24 Mbps	-84 dBm	±2dB
	36 Mbps	26 dBm	±2dB			36 Mbps	-80 dBm	±2dB
	48 Mbps	25 dBm	±2dB			48 Mbps	-70 dBm	±2dB
	54 Mbps	24 dBm	±2dB			54 Mbps	-75 dBm	±2dB
802.11n	MCS0	28 dBm	±2dB		802.11n	MCS0	-96 dBm	±2dB
	MCS1	28 dBm	±2dB			MCS1	-95 dBm	±2dB
	MCS2	28 dBm	±2dB			MCS2	-92 dBm	±2dB
	MCS3	28 dBm	±2dB			MCS3	-90 dBm	±2dB
	MCS4	27 dBm	±2dB			MCS4	-86 dBm	±2dB
	MCS5	25 dBm	±2dB			MCS5	-83 dBm	±2dB
	MCS6	23 dBm	±2dB			MCS6	-77 dBm	±2dB
	MCS7	22 dBm	±2dB			MCS7	-74 dBm	±2dB
	MCS8	28 dBm	±2dB			MCS8	-95 dBm	±2dB
	MCS9	28 dBm	±2dB			MCS9	-93 dBm	±2dB
	MCS10	28 dBm	±2dB			MCS10	-90 dBm	±2dB
	MCS11	28 dBm	±2dB			MCS11	-87 dBm	±2dB
	MCS12	27 dBm	±2dB			MCS12	-84 dBm	±2dB
	MCS13	25 dBm	±2dB			MCS13	-79 dBm	±2dB
	MCS14	23 dBm	±2dB			MCS14	-78 dBm	±2dB
	MCS15	22 dBm	±2dB			MCS15	-75 dBm	±2dB

Description

Wi-Tek's WI-CPE211 is a 2.4GHz 300Mbps 2x2 MIMO outdoor wireless CPE based on 802.11a/b/g/n technology. It is high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary Wi-Tek technology in firmware design and 12dBi directional dual-polarized antenna, WI-CPE211 is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions. WI-CPE211 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 AR9341
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)	263x102x106mm
Antenna Type	Built-in 12dBi 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	802.11b/g/n
Protocol	CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP
Wireless Mode	AP, Client, AP-Repeater, Mesh
Wireless Speeds	11a:54M,48M,36M,24M,18M,12M,9M,6Mbps 11n:6.5M，13M，13.5M，19.5M，26M，27M，39M，40.5M，52M，54M，58.5M，65M，81M，108M，121.5M，135M，150M，270M，300Mbps
Frequency	2300-2700Hz

WIRELESS FEATURES	
Transmission Power	25dBm(300mW)

SOFTWARE FEATURES	
Wireless Configurations	802.11b/g/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 Serial
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℃ Storage Temp: -40 ~85℃ Working Humidity: 10%~95% non-condensing	

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