

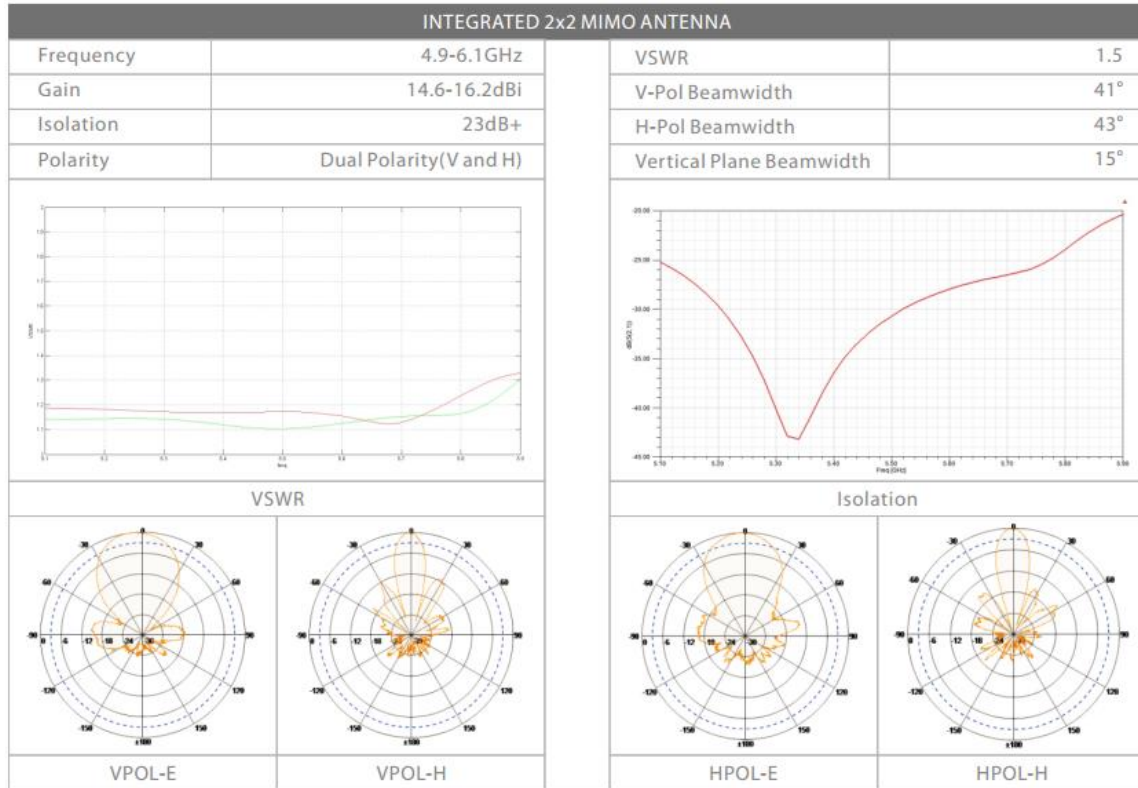


WI-CPE517
5.8GHz 300Mbps
Outdoor CPE with Sector antenna
Data sheet

Highlights

- 500mW High power output, coverage up to 5KM for PTP and PTMP application
- Wireless A/N speed up to 300Mbps
- Support open frequency from 4920 to 6100 MHz
- Inside 150 degree 16dBi Sector Antenna Technology
- 27dBm High-Power design
- 2x2 MIMO Technology
- Passive PoE Adapter supports up to 100 meter
- 2 PoE Port design, support PoE Pass-through
- Qualcomm AR9344 600MHz Chipset, 64MB RAM
- 10KV Lightning Protection
- Super TDMA Technology

Tx Power Specs				Rx Power Specs			
	Data Rate	Tx Power	Tolerance		Data Rate	Sensitivity	Tolerance
802.11a	6-24 Mbps	27 dBm	±2dB	802.11a	6-24 Mbps	-94 dBm	±2dB
	36 Mbps	25 dBm	±2dB		36 Mbps	-82 dBm	±2dB
	48 Mbps	23 dBm	±2dB		48 Mbps	-79 dBm	±2dB
	54 Mbps	23 dBm	±2dB		54 Mbps	-76 dBm	±2dB
802.11n	MCS0	27 dBm	±2dB	802.11n	MCS0	-93 dBm	±2dB
	MCS1	27 dBm	±2dB		MCS1	-88 dBm	±2dB
	MCS2	27 dBm	±2dB		MCS2	-86 dBm	±2dB
	MCS3	27 dBm	±2dB		MCS3	-82 dBm	±2dB
	MCS4	26 dBm	±2dB		MCS4	-80 dBm	±2dB
	MCS5	24 dBm	±2dB		MCS5	-75 dBm	±2dB
	MCS6	23dBm	±2dB		MCS6	-73 dBm	±2dB
	MCS7	23 dBm	±2dB		MCS7	-72 dBm	±2dB
	MCS8	27 dBm	±2dB		MCS8	-93 dBm	±2dB
	MCS9	27 dBm	±2dB		MCS9	-89 dBm	±2dB
	MCS10	27 dBm	±2dB		MCS10	-87 dBm	±2dB
	MCS11	27 dBm	±2dB		MCS11	-82 dBm	±2dB
	MCS12	26 dBm	±2dB		MCS12	-81 dBm	±2dB
	MCS13	24 dBm	±2dB		MCS13	-75 dBm	±2dB
	MCS14	23 dBm	±2dB		MCS14	-73 dBm	±2dB
MCS15	23 dBm	±2dB	MCS15	-72 dBm	±2dB		



Product

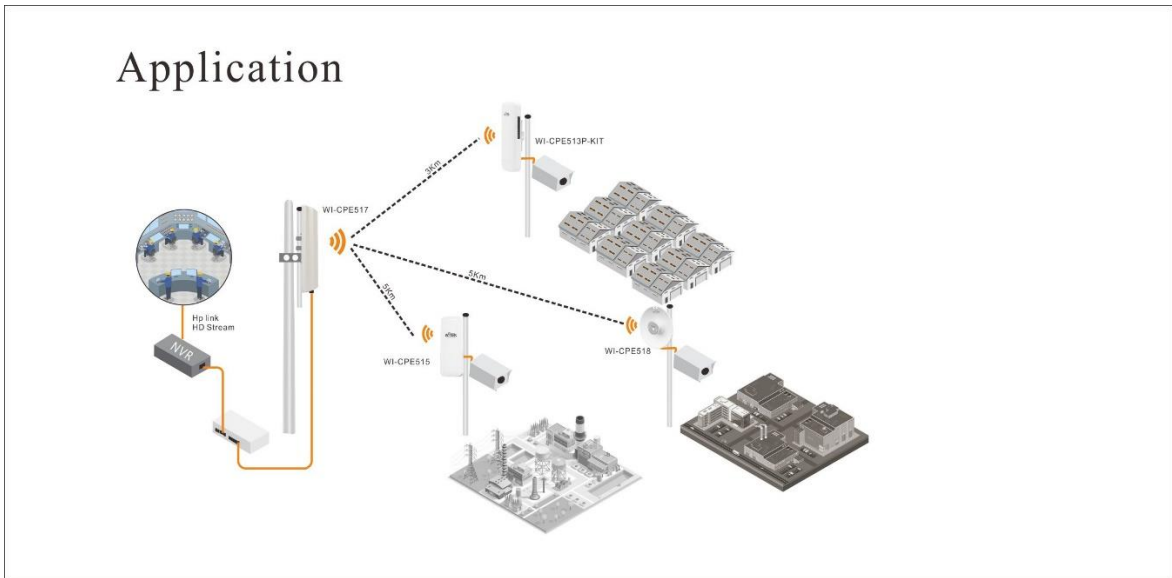


Description

Wi-Tek's WI-CPE517 Is a 300Mbps 2*2 MIMO Hi-Power outdoor wireless sector bridge for extremely long range point-to-point solutions. It is revolutionary radio-in-feed dish design with high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary Wi-Tek TDMA technology, WI-CPE517 is

fully compatible with Wi-Tek base station and CPE thus greatly improving the network scalability in throughput and latency. With 150degree 16dBi dual-polarized sector antenna, can work with WI-CPE515 or WI-CPE518 for point to multipoint wireless transmission. WI-CPE518 is best applied to rural wireless Internet, wireless backhaul and other industrial wireless solutions.

Typical Applications



Specifications

HARDWARE FEATURES	
Processor	Qualcomm AR9344
Memory	64MB SDRAM 8MB Flash
Interface	2X10/100BASE-TX Ethernet Interface
Power Supply	24V Passive PoE Adapter Included
Power Consumption	8W
Dimensions (H x W x D)	380x150x75mm
Antenna Type	Built-in 16dBi Dual-polarized 150degree Sector Antenna Horizontal beam width: 150degree Vertical beam width: 15degree
Protection	10KV Lightning Protection
Enclosure	Outdoor UV Stabilized Plastic IP67 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, 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

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