



WI-CPE900-KIT
5.8GHz 900Mbps
Outdoor Wireless Transmitter for CCTV
Data sheet

Highlights

- 500mW High power output, coverage up to 10km for PTP and PTMP application to carry 160pcs IP camera Max
- auto-connect for PTP/PTMP application, no need setting software
- Wireless Ac speed up to 900Mbps
- Support open frequency from 4920 to 6100 MHz
- Inside 8 degree 25dBi Directional Antenna Technology
- 27dBm High-Power design
- 2x2 MIMO Technology
- 24V PoE Adapter supports up to 100 meter
- Qualcomm QCA9563+QCA9882+AR8033 Chipset,128MB RAM
- 10KV Lightning Protection

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



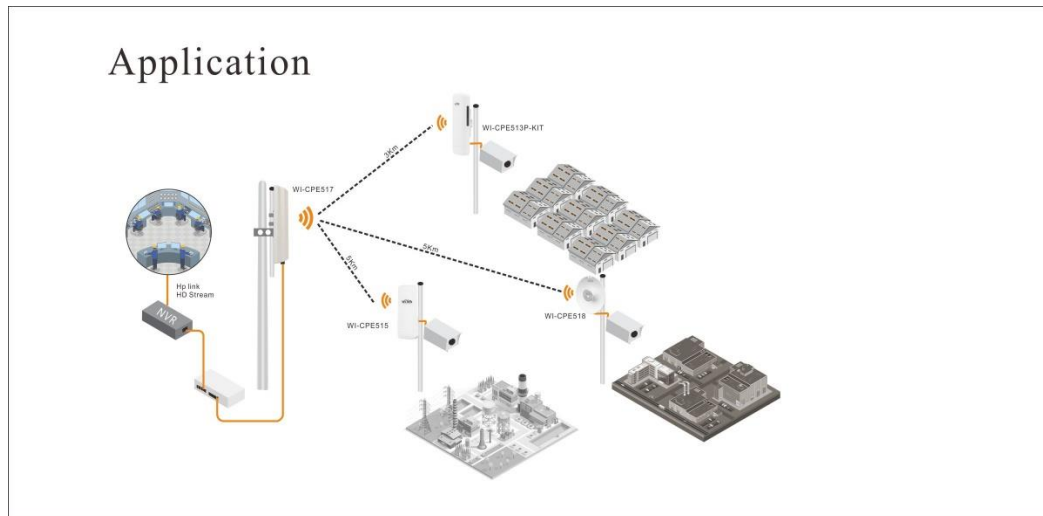
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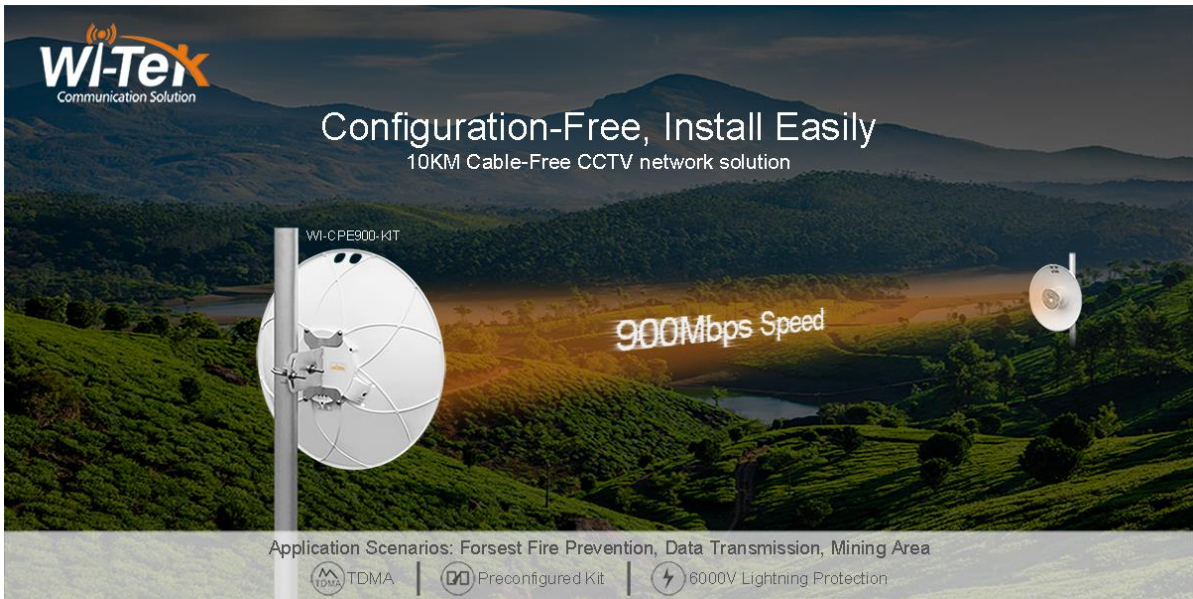
Wi-Tek's WI-CPE900-KIT is a 5GHz 900Mbps 2x2 MIMO outdoor wireless CPE based on 802.11AC technology. It is high performance, cost-effective and dedicated to long distance wireless CCTV network solutions. Featuring the revolutionary Wi-Tek technology in firmware design and 20dBi directional dual-polarized antenna, WI-CPE900-KIT is specialized designed for 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	Qualcomm QCA9563+QCA9882+AR8033
Memory	128MB SDRAM 16MB Flash
Interface	1X10/100/1000 PoE Interface
Power Supply	24V PoE Adapter Included
Power Consumption	8W
Dimensions (H x W x D)	400x400x200mm

Antenna Type	Built-in 25dBi Dual-polarized Antenna Horizontal beam width: 8degree Vertical beam width: 8degree
Protection	10KV Lightning Protection
Enclosure	Outdoor UV Stabilized Plastic IP67 waterproof Certification

WIRELESS FEATURES	
Wireless Standards	802.11ac
Protocol	CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP
Wireless Mode	AP,Client
Wireless Speeds	11a:54M,48M,36M,24M,18 M,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

WIRELESS FEATURES	
Transmission Power	27dBm(500mW)

SOFTWARE FEATURES	
Wireless Configurations	802.11ac 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 > 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

SOFTWARE FEATURES	
	<ul style="list-style-type: none"> multicast applications Hardware watch dog

OTHERS	
Certification	CE
Package Contents	<ul style="list-style-type: none"> 2*CPES 2*PoE Adapter 2* Pole Mounting Kit included
System Requirements	<p>Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 10, Windows 8, Windows 7, MAC OS, NetWare, UNIX or Linux.</p> <p>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.</p>
Environment	<ul style="list-style-type: none"> Working Temp: -40 ~ 70°C Storage Temp: -40 ~85°C Working Humidity: 10%~95% non-condensing



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