



WI-CPE111-KIT
2.4GHz 300Mbps
Outdoor Wireless Transmitter for CCTV
Data sheet

Highlights

- 20dBm High power output, coverage up to 2km for PTP and PTMP application for wireless CCTV
- Wireless B/G/N speed up to 300Mbps
- Support AP, Client mode
- Support open frequency from 2300 to 2700 MHz
- Inside 60 degree 8dBi Directional Antenna Technology
- 2x2 MIMO Technology
- Passive PoE Adapter supports up to 100 meter
- Qualcomm QCA9531 600MHz Chipset,64MB RAM
- 10KV Lightning Protection
- 2km wireless transmit for Carry 16pcs IP camera Max
- Easy setup for PTP/PTMP application, no need setting software

Product



Description

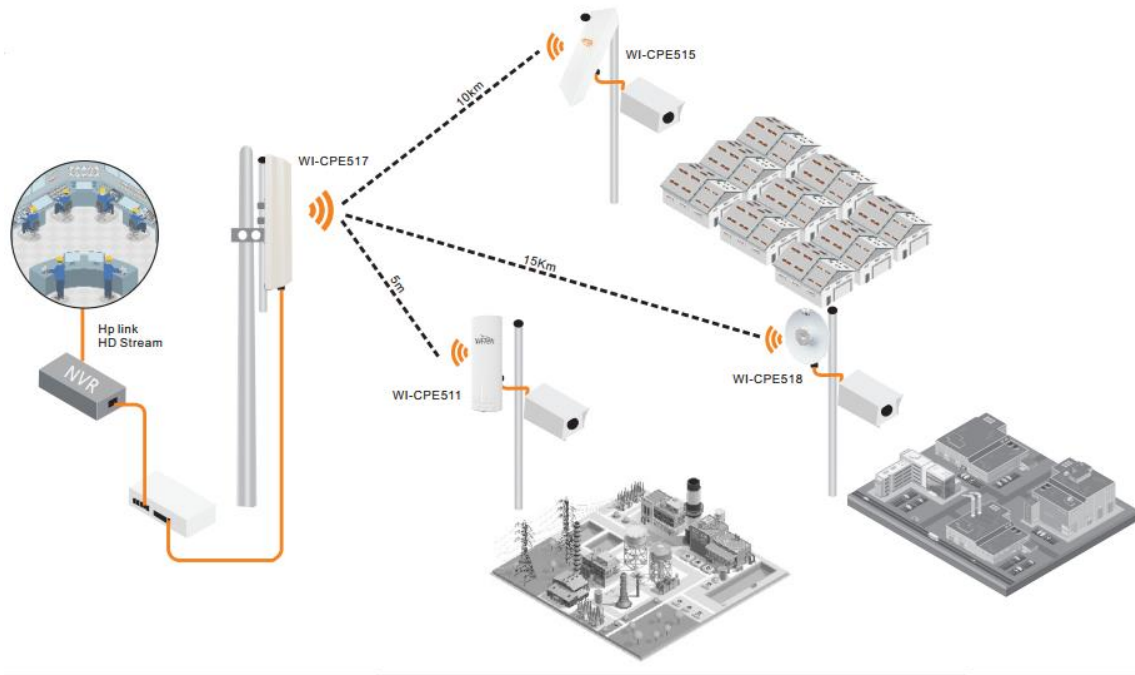
Wi-Tek's WI-CPE111-KIT is a 2.4GHz 300Mbps 2x2 MIMO outdoor wireless CPE based on 802.11 b/g/n technology. It is high performance, cost-effective and dedicated to long distance wireless CCTV network solutions. Featuring the revolutionary Wi-Tek technology in firmware design and 8dBi directional dual-polarized antenna, WI-CPE111-

KIT is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions. WI-CPE111-KIT 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 QCA9531
Memory	64MB SDRAM 8MB Flash
Interface	1X10/100BASE-TX Ethernet Interface
Power Supply	24V Passive PoE Adapter Included
Power Consumption	4W

Dimensions (H x W x D)	160x105x52mm
Antenna Type	Built-in 8dBi Dual-polarized Antenna Horizontal beam width: 60degree Vertical beam width: 15degree
Protection	10KV Lightning Protection
Enclosure	Outdoor UV Stabilized Plastic IP67 waterproof Certification

WIRELESS FEATURES	
Wireless Standards	802.11b/g/n
Protocol	CSMA/CA,TCP/IP,IPX/SPX, NetBEUI, DHCP
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	2300-2700Hz

WIRELESS FEATURES

**Transmission
Power**

20dBm(100mW)

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	2*CPE 2*PoE Adapter 2* 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



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