



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

Highlights

- 100mW 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 12dBi Directional Antenna Technology
- 20dBm High-Power design
- 2x2 MIMO Technology
- Passive PoE Adapter supports up to 100 meter
- Atheros AR9341 600MHz Chipset, 64MB RAM
- 10KV Lightning Protection
- 2KM wireless transmit for Carry 2-4pcs 1080P camera
- auto-connect for PTP/PTMP application, no need setting software



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 12dBi 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	Atheros AR9341
Memory	64MB SDRAM 8MB Flash
Interface	1X10/100BASE-TX

	Ethernet Interface
Power Supply	24V Passive PoE Adapter Included
Power Consumption	6W
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
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	2300-2700Hz
Transmission Power	20dBm(100mW)

SOFTWARE FEATURES	
Wireless Configurations	<p>802.11b/g/n Modes</p> <p>Selectable Channel Width: 20/40MHz</p> <p>Automatic Channel Selection</p> <p>Transmission Power Control</p> <p>Dynamic Frequency Selection (DFS)</p> <p>WDS Enable/Disable</p> <p>Security: WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP)</p> <p>Encryption, 64/128/152-bit</p> <p>WEP Encryption</p> <p>SSID Broadcast</p> <p>Enable/Disable</p> <p>Distance/ACK Timeout Setting</p> <p>Wireless MAC Address Filter</p> <p>Wireless Advanced:</p> <ul style="list-style-type: none"> > Beacon Interval/RTS Threshold/Fragmentation >Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia

SOFTWARE FEATURES	
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°C Storage Temp: -40 ~85°C Working Humidity: 10%~95% non-condensing