

5GHz 867Mbps 5km Long-range Outdoor Wireless Transmitter



WI-CPE814P

Overview

Wireless transmitters use wireless to build a communication bridge between two or more networks. With the advantages of wireless high bandwidth, long distance, flexible point-to-point, point-to-multipoint applications, and high reliability and protection design, they can be widely deployed in CCTV applications in open areas such as highways, parks, forests, building tower cranes, or elevator shafts, eliminating the trouble of wiring.

Features

Ultra-bandwidth

Offer wireless rate up to 867Mbps by adopting 5GHz solution, and 1000Mbps RJ45 port, greatly improves the efficiency of data transmission.

Long-Distance Data Transmission up to 5km

Provide long-distance wireless network transmission up to 5km with a high-performance 14dBi Directional Antenna, making it an ideal choice for outdoor wireless network transmission.

PTP/PTMP

Support two networking modes, PTP (point to point) and PTMP (point to multi-point), which flexibly suiting for different outdoor network solutions.

IEEE 802.3bt 90W PoE Power Supply and IEEE 802.3af/at PoE Out

Support IEEE 802.3bt 90W PoE power supply and ethernet LAN1-3 can power 802.3af/at PoE Output for IP Camera, which can be flexibly installed according to the application scenarios.

One-touch Quick Pairing

No more configuration required, quick pairing with a button.

*This function is currently supported quick pairing with WI-CPE800-KIT (V3).

Wi-Tek Cloud Management

Wi-Tek Cloud provide reliable performance, visual management, and remote access which is easy to operate and maintain.



Specifications

Model	WI-CPE814P
Hardware Version	V1
Hardware Features	
Interface	1*10/100/1000Mbps WAN/LAN (PoE IN) RJ45 port 3*10/100/1000Mbps LAN (PoE Out) RJ45 ports
Frequency Range	5.150 ~ 5.850GHz (Channel 36~64, 100~144, 149~165) *Please follow national regulations to select the appropriate frequency.
Compliant Standards	IEEE 802.11a/n/ac
Spatial Streams	2x2, MU-MIMO
Maximum Wireless Rate	867Mbps@5GHz
Antenna Gain	Build-in 14dBi directional antenna
Half Power Beamwidth (Typ.)	Horizontal: 60°, Vertical: 30°
Transmit Power	24±2dBm max. (adjustable)
Recommended Distance	5km
LED Indicator	1*PWR indicator, 1*SYS indicator, 1*Wi-Fi indicator, 4*Wi-Fi Signal indicator, 4*Ethernet ports lights (left orange: PoE, right green: Link)
DIP Switch	H: Base station mode, supports wireless point-to-point and point-to-multipoint long-distance transmission. C: CPE mode, a receiving point for connecting a wireless base station.
RST button	Short press: Search for another wireless transmitter on a different mode(H/C status) and pair each other.
	Long press over 5 seconds: Restore the factory default configuration.
Power Supply	IEEE 802.3bt 90W PoE IN
	48V DC@2A Max
Power Consumption	<10W (Without PoE Out)
PoE Power Budget	50W(PoE budget for three ports), Max.30W for one port
Max power consumption	60W
Dimensions(L*W*H)	192*110*52mm
Weight	0.37kg



Model	WI-CPE814P
Package Dimensions	265*205*70mm
Package Weight	0.73kg
Installation	Wall/Pole mounted
Material	Outdoor UV Stabilized Plastic
Reliability	
ESD Protection	Air discharge: ±8kV, Contact discharge: ±6kV
Lightning Protection	2kV
Operating Environment	-30°C to 55°C, 5%~95% (non-condensation)
Storage Environment	-40°C to 70°C, 5%~95% (non-condensation)
Ingress Protection	IP65
Max transmission Distance	5km



Software Features

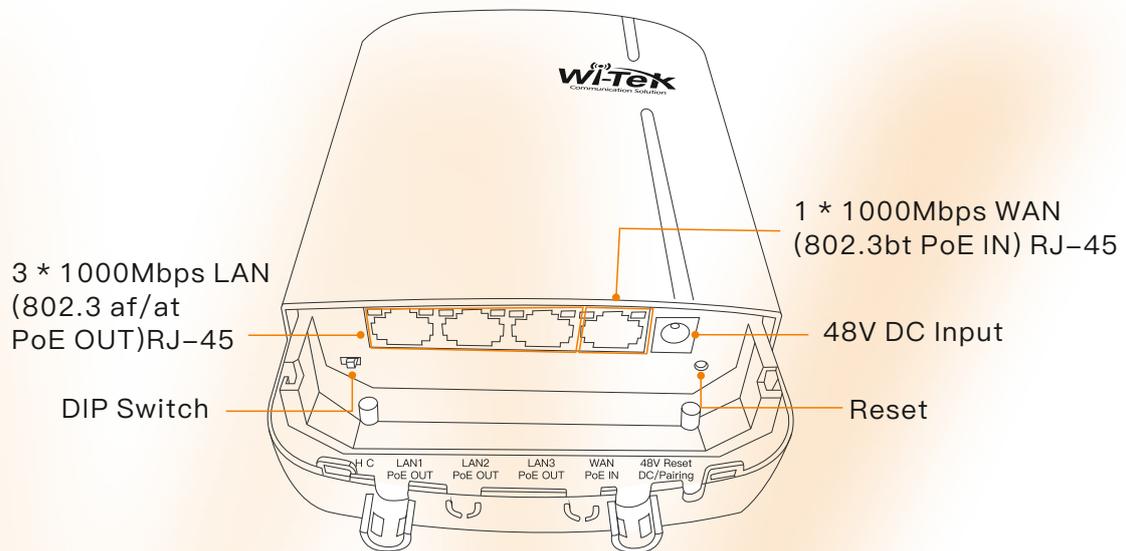
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Software Features	
System Status	System information, Wireless information, Radio status, Flow Chart, Wireless Terminal Station
Operating Mode	Base Station, CPE Repeater, WISP Mode (Switch the pairing mode to control by web)
WAN Configuration	Dynamic IP, Static IP
Wireless Configuration	Wireless enable/disable, Hide SSID Wireless Security: OPEN, WPA-TKIP, WPA2-AES, WPA/WPA2-Mixed, WPA-Enterprise, WPA2-Enterprise
Radion Parameter	WMM, Weak Signal Rejection Threshold, Wireless Channel, Tx Power Control Channel Bandwidth: Auto/20/40/80MHz
System Tools	Speed Test, Ping Watchdog, Scheduled Reboot, NTP, Ping, Traceroute
Management	Local WEB management, Remote Wi-Tek Cloud management

WI-CPE814P

Dimensions (mm)



Front Panel



Package Contents

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Wireless Transmitter	1 pcs
48V PoE Adapter	1 pcs
Ethernet Cable	1 pcs
Plastic Tie Cable	2 pcs
Quick Installation Guide	1 pcs



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Technical Support



Cloud Management



Company Website