120° 5GHz 867Mbps 5km Long-range Outdoor Wireless Transmitter

WI-CPE817

Overview

Wireless Transmitter is equivalent to a network cable, transmitting network signals via wireless way. It uses wireless communication technology to transmit network data using air as a medium to carry out long-distance point-to-point or point to multi-point interconnection.

Wi-Tek Wireless Transmitter is specialized for rural internet access, long-distance wireless data transmission, wireless coverage extension, and other industrial wireless solutions. It is widely used in various fields of communication.

Features

Ultra-bandwidth

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

120° Sector Wireless Transmission

120° horizontal beamwidth, perfect choice for PTMP applications.

Long-Distance Data Transmission up to 5km

Provide long-distance wireless network transmission up to 5km with a high-performance 16dBi Directional Antenna, making it an ideal choice for outdoor wireless network transmission.

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) and WI-CPE814P.

IEEE 802.3af/at PoE power supply

Support IEEE 802.3af/at PoE power supply, which can be flexibly installed according to the application scenarios.

Wi-Tek Cloud Management

Wi-Tek Cloud's quick installation and configuration provide reliable performance, visual management, and remote access which is easy operation and maintenance.

Specifications

Model	WI-CPE817
Hardware Version	V1
Hardware Features	
Interface	1*10/100/1000Mbps PoE IN RJ45 port
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
Maximum Wireless Rate	867Mbps@5GHz
Antenna Gain	Build-in 16dBi directional antenna
Half Power Beamwidth (Typ.)	Horizontal: 120°, vertical: 12°
Transmit Power	27dBm max. (adjustable)
Recommended Distance	5km
LED Indicator	1*PWR, power indicator, 1*WLAN indicator, 1*ETH indicator, 3*Wireless Signal indicators
RST button	Short press: Search for another CPE mode wireless transmitter (the default mode of WI-CPE817 is base station mode) and pair each other. Long press over 8 seconds: Restore the factory default configuration.
Power Supply	PoE IN: IEEE 802.3af/at
Power Consumption	10W
Dimensions(W*D*H)	395*100*85mm
Weight	0.66kg
Package Dimensions	414*108*108mm
Package Weight	1.23kg
Installation	Pole mounted
Material	Outdoor UV Stabilized Plastic
Reliability	
ESD Protection	Contact discharge: ±6kV, Air discharge: ±16kV
Lightning Protection	8kV
Operating Environment	-20°C to 60°C, 10%~95% (non-condensation)
Storage Environment	-40°C to 85°C, 10%~95% (non-condensation)
Ingress Protection	IP65

Software Features

Model	WI–CPE817
Hardware Version	V1
Software Features	
System Status	System information, Wireless information, Radio status, Flow Chart, Wireless Terminal Station
Operating Mode	Base Station (Default mode) CPE/Repeater/WISP Mode (Switch the paring 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
Advanced	Wi–Fi Connection Filter, Speed Test, Ping Watchdog, Scheduled Reboot, NTP, Ping, Traceroute
Management	Local WEB management, Remote Wi–Tek Cloud management

Package Contents

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

Items	Quantity
Wireless Transmitter	1 pcs
48V PoE Adapter	1 pcs
Pole-mounted Accessory	1 pcs
Quick Installation Guide	1 pcs

CE FC ♻ ⚠ UKCA **RoHS**

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