2.4GHz 300Mbps 1km Long-range Outdoor Wireless Transmitter

WI-CPE110-KIT

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

Easy to Setup

No software setup is required, and once powered on, the PTP application is connected automatically. The DIP switch and reset button can help with quick pairing.

Long-Distance Data Transmission up to 1km

Provide long-distance wireless network transmission up to 1km with a high-performance 8dBi 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.

Multiple Power Supply Modes

Support 24V passive PoE and 12V DC power supply, which can be flexibly selected 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

Products	WI–CPE110–KIT
Hardware version	V1
Hardware Features	
Interface	1*10/100Mbps WAN (PoE IN) RJ45 port 1*10/100Mbps LAN RJ45 port
Frequency Range	2.412GHz~2.484GHz
Compliant Standards	IEEE 802.11b/g/n
Maximum Wireless Rate	300Mbps@2.4GHz
Antenna Gain	Build–in 8dBi directional antenna
Half Power Beamwidth (Typ.)	Horizontal: 65°, vertical: 65°
Recommended Distance	1km
LED Indicator	1*Power indicator, 1*WAN indicator, 1*LAN indicator, 1*Wi–Fi indicator, 4*Signal indicators
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	PoE: 24V@0.5A DC: 12V@1A
Power Consumption	<5W
Dimensions	168*86*39mm
Weight	0.18kg
Package Dimensions	250*185*78mm
Package Weight	0.85kg
Reliability	
ESD Protection	Contact discharge: ±4kV, air discharge: ±8kV
Surge Immunity	Differential mode: 1kV, Common mode: 2kV
Operating Environment	–30°C to 60°C, 5%~95% (non–condensation)
Storage Environment	–40°C to 70°C, 5%~95% (non–condensation)
Ingress Protection	IP65
Software Features	
Operating Mode	Base Station/CPE/Repeater/WISP Mode
Wireless Security	WPA–TKIP/WPA2–AES, WPA/WPA2–Enterprise
Wireless Parameter	Channel Width Automatic Channel Selection Tx Power Control
System Tools	Speed Test, Ping, Traceroute
Management	Support local management with web Support remote management with Wi–Tek Cloud Platform

Package Content

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

Item	Quantity
Wireless Transmitter	2 pcs
24V PoE Adapter	2 pcs
0.9m RJ45 Cable	2 pcs
Nylon Cable Tie Accessory	4 pcs
Quick Installation Guide	1 pcs

CE FC RoHS ☒ UKCA ⬙

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