

## Datasheet

# 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*10/100BASE-TX WAN (PoE IN) RJ45 port 1*10/100BASE-TX 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	M: Base station mode, supports wireless point-to-point and point-to-multipoint long-distance transmission. S: CPE mode, a receiving point for connecting a wireless base station.
RST button	Short press: Search for another wireless transmitter on a different mode (M/S 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



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Technical Support



Cloud Management



Company Website