

# Wireless Long-Range Transmitter for CCTV IP Camera

WI-CPE513P-KIT



## Overview

WI-CPE513P-KIT is designed to provide a highly stable, better performance and cost-effective wireless solution in outdoor wireless deployment. With the same transmission power, it offers better significant range and excellent throughput than those of the traditional 802.11n wireless device. Via the embedded 14dBi dual-polarization directional antenna, it provides good diversity coverage and better noise immunity effect, thus heightening the performance of long-distance, outdoor connectivity even though the environment is flooded with many 5GHz wireless equipment.

Professional performance and user-friendly design make WI-CPE513P-KIT an ideal choice for business and CCTV applications.

## Features

### Long-Distance Data Transmission Up to 5km

With a high-performance 14 dBi Directional Antenna, WI-CPE513P-KIT long-distance wireless network transmission can be up to 5km. Besides, it provides an efficient way to pick up and maintain stable signal for wireless network.

### DIP Matching Mode

Device pairing can be made by adjusting DIP Switch Button without any configuration, which facilitates convenience and saves more time for the users.

### Professional Outdoor Waterproof Design

Equipped with a durable IP65 waterproof enclosure and high-quality hardware design, WI-CPE513P-KIT can work in almost any climate, which ensures all-weather stability.

### PTP/PTMP

WI-CPE513P-KIT supports two networking modes PTP and PTMP(point-to-point and point-to-multipoint), which flexibly suits different outdoor network solution.

### 802.3at PoE Input And 802.3af PoE Output

The RJ45 WAN port not only serves the role of transmitting data but also gets the power(802.3at PoE Input) via one Ethernet cable, eliminating the need for additional power outlets. The LAN port supporting 802.3af 48V PoE Output provides PoE power for IP Camera, saving much material cost and labor cost.

### Wi-Tek Cloud Management Platform

Wi-Tek Cloud's quick configuration provide reliable performance, visual management, and real-time monitoring, enhancing the efficiency of device management.



## Specifications

Model	WI-CPE513P-KIT
Hardware Features	
Version	V3
Memory	DDR2: 64MB Flash: 16MB
Interface	2*10/100Mbps RJ45 Port 1*Reset Button 1* DIP Switch Button
Power Supply	48V 802.3at PoE Input 48V 802.3af PoE Output
Power Consumption (max)	15W
Package Dimension(L x W x H)	342*106*98mm
Product dimension	259*88*51mm
Product Weight	0.41*2kg
Package Weight	1.6kg
ESD Protection	Contact discharge: ±4kV, Air discharge: ±8kV
Surge Immunity	Common mode: ±2kV, Differential mode: ±4kV
IP Level	IP65
Wireless Features	
Standards	IEEE 802.11a/n
Data Rates	300Mbps
MIMO	2 x 2
Antenna	14dBi
Half Power Beamwidth (Typ.)	Horizontal: 60° , Vertical: 15°
Frequency	5.18 ~ 5.825GHz *Please follow national regulations to select the appropriate frequency.
Channel Width	20/40MHz
Transmit Power	Up to 26 dBm (country dependent)
Recommend Distance	5km
Software Features	
Wireless Mode	Basic Station/CPE/Repeater/WISP

Network	<p>LAN: Static IP, Dynamic IP, PPPoE Client</p> <p>WAN(WISP mode): Static IP, Dynamic IP, PPPoE Client</p> <p>DHCP Server(Only WISP mode)</p> <p>VLAN: IEEE 802.1Q VLAN Passthrough</p>
Wireless	<p>Wireless Disable OR Enable</p> <p>Modify default SSID</p> <p>SSID Hiding</p> <p>Wireless Security: WPA-TKIP, WPA2-AES, WPA1/WPA2-Mixed, WPA/WPA2-Enterprise</p>
RF Parameter	<p>Adjustable Country</p> <p>Auto Channel Width Selection</p> <p>Automatic Frequency Selection</p> <p>Adjustable Transmission Power</p> <p>Max Associated STA (default: 128)</p> <p>Weak Signal Rejection Threshold(default: -95dBm)</p> <p>User Isolation(default: disabled)</p> <p>Supports Wi-Fi Multimedia (WMM)</p> <p>RTS/CTS Threshold (default: 2347)</p>
Advanced	<p>Spectrum</p> <p>Scheduled Reboot</p> <p>Ping Watchdog</p> <p>NTP Server</p>
Status Monitoring	<p>Base Info: LAN/WAN Info, Wireless Info, System Info</p> <p>Radio Status</p> <p>Real Time Flow Chart</p> <p>Wireless Terminal Station</p> <p>SSID List</p> <p>DHCP Client(For WISP mode)</p> <p>ARP Table</p> <p>Routing Table</p>
Management	<p>Quickly scan devices by discovery tools</p> <p>Web-based management by locally</p> <p>Support remote management by cloud platforms and applications</p>
System Tool	<p>PING, TRACERT, Speed Test</p>
Environment	<p>Operating Temperature: -40°C ~ 70°C(-40°F ~ 158°F)</p> <p>Storage Temperature: -40°C ~ 85°C(-40°F ~ 185°F)</p> <p>Operating Humidity: 10%~95%(non-condensing)</p> <p>Storage Humidity: 5%~95%(non-condensing)</p>
Others	
Certification	<p>CE, FCC, RoHS, UKCA, RCM</p>

## Package Contents

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

Items	Quantity
WI-CPE513P	2 pcs
48V PoE Adapters	2 pcs
Pole Mount Kits	2 pcs
UTP Cable	2pcs
Quick Installation Guide	1pcs



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Technical Support



Cloud Management



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