

# Wireless Long-Range Transmitter for CCTV IP Camera

WI-CPE111-KIT



## Overview

WI-CPE111-KIT is designed to provide a cost-effective wireless network solution for video surveillance and data transmission. Adopting single-band 2.4GHz frequency, WI-CPE111-KIT provides wireless speed of up to 300Mbps. Supporting PTP and PTMP(point-to-point and point-to-multipoint), WI-CPE111-KIT provides flexible networking modes in outdoor wireless deployment. Featuring an 8dBi directional antenna, WI-CPE111-KIT provide great performance in sustaining a stable signal for the wireless network.

Professional performance and user-friendly design make WI-CPE111-KIT an ideal choice for business and CCTV applications.

## Features

### Long-Distance Data Transmission Up to 2km

With a high-performance 8 dBi Directional Antenna, WI-CPE111-KIT long-distance wireless network transmission can be up to 2km. Besides, it provides an efficient way to pick up and maintain a stable signal for the 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-CPE111-KIT can work in almost any climate, which ensures all-weather stability.

### PTP/PTMP

WI-CPE111-KIT supports two networking modes PTP and PTMP(point-to-point and point-to-multipoint), which flexibly suits different outdoor network solution.

### 24V PoE Input Support

WI-CPE111-KIT supports 24V PoE Input, thus simplifying installation by transmitting power and data over a single Ethernet, which saves more space and cost for the project.

### 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-CPE111-KIT
Hardware Features	
Version	V2
Memory	DDR2: 64MB Flash: 8MB
Interface	2*10/100Mbps RJ45 Port 1*Reset Button 1*DIP Switch Button
Power Supply	24V Passive PoE Input
Power Consumption (max)	8W
Package Dimension(L x W x H)	250*202*95mm
Product dimension	167*88*52mm
product weight	0.24*2kg
package weight	1kg
ESD Protection	±6 kV
Surge Immunity	±2 kV
IP Level	IP65
Wireless Features	
Standards	IEEE 802.11b/g/n
Data Rates	300Mbps
MIMO	2 x 2
Antenna	8dBi
Half Power Beamwidth (Typ.)	Horizontal:60°, Vertical:15°
Frequency	2.412 ~ 2.484GHz *Please follow national regulations to select the appropriate frequency.
Channel Width	20/40MHz
Transmit Power	Up to 20 dBm (country dependent)
Recommend Distance	2km
Software Features	
Wireless Mode	Basic Station/CPE/Repeater/WISP
Network	LAN: Static IP, Dynamic IP, PPPoE Client

	<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-CPE111H	2 pcs
24V Passive PoE Adapters	2 pcs
Pole Mount Kits	2 pcs
Quick Installation Guide	1pcs



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Technical Support



Cloud Management



Company Website