

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