

Tenda

Quick Installation Guide

5km Outdoor Point-to-Point CPE
Model: OS

Package Contents

- 1 x OS
- 1 x Power Adapter
- 1 x Antenna *1
- 1 x Antenna *1
- 1 x Mounting Kit
- 1 x PoE Injector
- 1 x Grounding Cable *1
- 1 x Documentation *1

Please read the quick installation guide before you start. You can also visit our website at www.tendawireless.com for more detailed information.

Get to Know the Devices

LED Indicators

LAN/WAN

LED1, LED2, LED3

Digital storage (SD)

Power (DC 12V)

Reset

Ground

LAN/WAN

LED1

LED2

LED3

Power (DC 12V)

Reset

Ground

LAN/WAN

LED1

LED2

LED3

Power (DC 12V)

Reset

Ground

Ports & Button

Port/Reset

LAN

WAN

Power

Reset

#	Port/Reset	Description
①	GRND	Grounding port. It is recommended to connect the device to ground to prevent damage caused by lightning or static electricity. Please note that the device's grounding port is not connected to the ground wire of the power adapter.
②	RESET	Reset button. Press and hold for about 5 seconds to reset the device to its factory default settings.
③	LAN	LAN port. It supports a maximum speed of 10/100Mbps. It is recommended to connect the device to a computer or a switch via this port.
④	WAN	WAN port. It supports a maximum speed of 10/100Mbps. It is recommended to connect the device to a router or a switch via this port.
⑤	POWER	Power port. Please connect the included power adapter to the power port to supply power to the device.
⑥	—	Indicates available ports.

Application Scenario 1: CCTV Surveillance or Point to Point Data Transmission

1. Set up the Devices(AP + Station Mode)

Method 1: Automatic Bridging (Recommended)

- ① Place the two devices next to each other, see the following figure.

- ② Uncover the housing of each device, and use the included PoE injectors to power up the two devices. Wait until the LAN/WAN LED indicator of the device lights up.

- ③ Wait for the two devices to register and connect to each other automatically. The following LED indicator status indicates successful connection of the two devices.

Note: This function is only applicable when the devices are in factory default. If the bridge connection fails due to less than 1 minute after the devices are powered on, please follow the steps below to set the devices to AP mode:

- Open the Tenda Management Center software and click [Edit] → [Edit Device].

- Select [AP] and click [Next].

Method 2: Set up the Devices Using Web UI

Step 1: Place the two devices next to each other.

Step 2: Connect the computer to CPE 1.

- ① Uncover the housing of CPE 1.
- ② Connect the LAN/WAN port of CPE 1 to the LAN/WAN port of CPE 2 via a crossover cable. Then connect the LAN/WAN port of CPE 2 to a power socket. The LAN/WAN LED indicator of the CPE 2 will light up.
- ③ Use an Ethernet cable to connect your computer to the LAN/WAN port of CPE 1.

Step 3: Set CPE 1 to AP Mode.

- ① Start a web browser on the computer, and visit 192.168.2.1. Enter the login name and password default: admin, and click [Login].

Step 4: Set CPE 2 to Client Mode.

- ① Perform the procedure in Step 2 to connect the computer to CPE 2.

- ② Start a web browser on your computer and visit 192.168.2.1. Enter the login name and password (admin by default), and click [Login].

Step 5: Set the SSID of CPE 1 you set, which is Tenda_123456 in this example, and click [Next].

Step 6: Enter the WiFi password you set on CPE 1 in the key text box, and click [Next].

Step 7: Set their IP addresses in section 7, and click [Next].

Step 8: Click [Save], and wait until the device reboot to activate the setting.

Step 9: Set their IP addresses in section 7, and click [Next].

Step 10: Click [Save], and wait until the device reboot to activate the setting.

2. Install the Devices

- The device (transmitter in AP mode) with LED1, LED2 and LED3 solid on should be connected to the main receiver and a network video recorder (NVR). See Figure 1.

- The device receiver (in Client mode) with LED1, LED2 and LED3 blinking should be connected to the switch connecting to monitoring IP cameras. See Figure 2.

Detailed procedures are as follows:

- ① Place the transmitter in the open air where the NVR is located. Place the receiver in the open air at the point where the IP camera is located.
- ② Uncover the housings of the two devices, and connect the PoE/LAN/WAN ports of the devices to PoE injectors respectively. The LAN/WAN LED indicators light up.
- ③ Adjust the two devices' location until the LED1, LED2 and LED3 of the two devices light up.
- ④ Use the pole mounting stage to attach the two devices to the poles respectively.

Figure 1

Figure 2