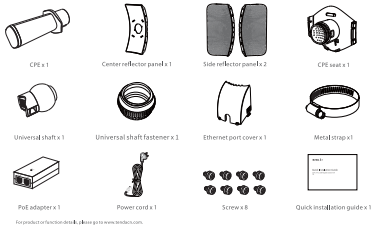


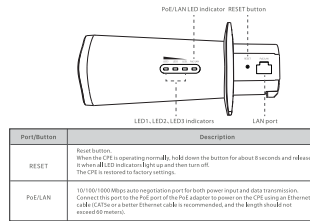
Quick Installation Guide

5GHz 11AC 23dBi Gigabit Outdoor CPE
O9

Package contents



Get to know your device



Indicator	Status	Description
LED1, LED2, LED3 (Three red straight light indicators)	Blinking Blinking	The CPE is successfully bridged or connected to other devices. When the CPE works in Client, Universal repeater or WISP mode. Each LED indicator is with a universal signal strength light, which is the strength of the corresponding LED indicator light up. You can judge the connection quality through the status of these indicators. The default values are shown below: Strong: 100% Medium: 50% Weak: 10% You can change the values on the Wireless > Advanced page in the web UI of the CPE.
	Off	No device is connected to the CPE in a wireless manner, or the received signal strength does not reach the minimum value (settable by default) for any LED indicator to light up.
PoE/LAN	Steady on	The CPE is powered on properly, but no data is being transmitted.
	Blinking	The CPE is powered on properly, and data is being transmitted over the port.
	Off	The CPE is not powered on properly.

Assemble and install the CPE

Step1: Assemble the CPE.

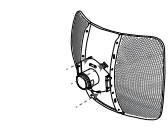
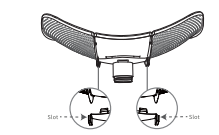
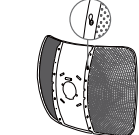
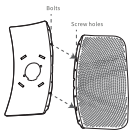
Align the two bolts on one side of the center reflector panel with the long hole in the larger hole of the side reflector panel. Slide the center and side reflector panels in the opposite direction until the bolts fit into the slots and end.

Repeat ① to fix another side reflector panel.

Align the slots of the CPE seat with the slanted edges of the center reflector panel and side reflector panel, and four holes of the CPE seat with the four slots of the center reflector panel.

Press the CPE seat to fit on the center reflector panel.

Adjust the orientation of the reflector panel and decreasing of bridging quality. DO NOT fix the reflector panel down and put them on a desk or a horizontal plane while and after using the CPE seat.



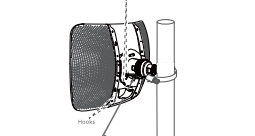
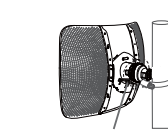
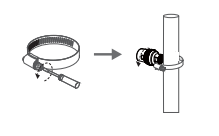
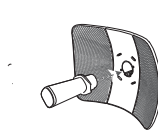
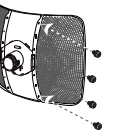
Fix the reflector panels with the included screws.

Insert the CPE seat from the front side of the center reflector panel.

Use a screwdriver to turn the metal strap by turning the screw clockwise. Push the universal shaft into the universal shaft fastener and fix the universal shaft and universal shaft fastener on the pole using the metal strap. (Connect the two ends of the metal strap and use the screw driver to adjust the tightness).

Connect the CPE seat at the universal shaft fastener, and screw the universal shaft fastener to fix the CPE. (Ensure an appropriate tightness for you to adjust the orientation of the CPE panel).

Adjust the orientation of the CPE to be horizontal with a spirit level. When the LED1, LED2 and LED3 indicators is light up after installation, it indicates that the best location is found.



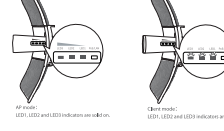
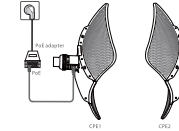
Scenario 1: CCTV surveillance or point to point data transmission

1. Set up the CPEs (AP mode + Client mode)

Option 1: Automatic bridging (recommended)

Step1: Place two CPEs in factory settings next to each other.
Step2: Use Ethernet cables to connect the PoE/LAN port of the CPEs to the PoE port of the PoE adapters.
Step3: Use the included power cords to connect the PoE adapters to power sources. The PoE/LAN LED indicators of the two CPEs light up.

The LED1, LED2 and LED3 indicators of the two CPEs blink fast. When the LED1, LED2 and LED3 indicators of one CPE light solid on and those of the other CPE blink fast, the automatic bridging succeeds.



Option 2: Manual bridging

Step1: Place two CPEs next to each other.

Start web browser on the computer and visit 192.168.2.1. Enter the login user name and password and click Login.

Click Client, and click Next.

Select Client, and click Next.

Select the SSID of CPE1, which is Tenda_123456 in this example, and click Next.

Enter the Key of CPE1, and click Next.

Click Save, and wait until the CPE reboots automatically to activate the settings.

When the LED1, LED2 and LED3 indicators of CPE1 light solid on, and the LED1, LED2 and LED3 indicators of CPE2 blink, the bridging succeeds, and the two CPEs are bridged automatically.

Click Save, and wait until the CPE reboots to activate the settings.

When the LED1, LED2 and LED3 indicators of CPE1 light solid on, and the LED1, LED2 and LED3 indicators of CPE2 blink, the bridging succeeds, and the two CPEs are bridged automatically.

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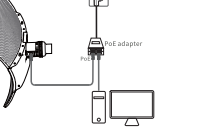
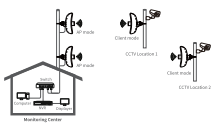
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2. Application scenario

1. Set up the CPE

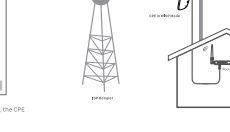
Step1: Power on the CPE and connect it to a computer.
Step2: Set the CPE to WISP mode.
Step3: Set the CPE to WISP mode.
Step4: Set the CPE to WISP mode.



2. Application scenario

1. Set up the CPE

Step1: Power on the CPE and connect it to a computer.
Step2: Set the CPE to WISP mode.
Step3: Set the CPE to WISP mode.
Step4: Set the CPE to WISP mode.



Appendix FAQ

Q1: Connecting in the web UI of the CPE by entering 192.168.2.1. What should I do?

A1: Try the following solutions:
— Ensure that the CPE is connected to a power source and your computer properly.
— Ensure that the IP address of the computer is set to an unused one, such as 192.168.2.3 (Changes from 2-254).
— Restore the CPE to factory settings, and try again.

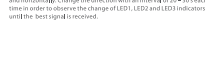
Q2: How can I check that the CPE is under the best connection status?

A2: Try the following methods:
Method 1: Observe the LED indicators of the CPE. The connection quality reaches the best when the LED1, LED2 and LED3 indicators of the CPE light solid on and blink.
Method 2: Log in to the web UI of one CPE (the default IP address is 192.168.2.1). Check the bridging status in **Status > Wireless Status**.
Stronger signal strength (40 dBm is better than -70 dBm) and less background noise (40 dBm is better than -90 dBm) lead to better bridging signal.



Q3: After the bridging succeeds, the LED1, LED2 and LED3 indicators do not light up or only some of them do. What should I do?

A3: Try the following solutions:
— Ensure that the CPE is connected to a power source and your computer properly.
— Place the CPE in an elevated location at the same height with few obstacles nearby.
— Make slight direction adjustment of the CPE by moving it vertically and horizontally. Change the direction with an interval of 20-30 seconds each time to observe the change of LED1, LED2 and LED3 indicators until the best signal is received.



RECYCLING

This product bears the selective recycling symbol for electronic and electrical equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.
Use the choice to give your product to a competent recycling organization or to the dealer when he buys a new electrical or electronic equipment.

Operating Temperature: -10°C ~ 40°C
Operating Humidity: 10%-90% RH, non-condensing

Caution: Do not touch the antenna. The antenna is a sensitive component and may be damaged by touching it. Do not touch the antenna when the device is powered on.

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not used and installed in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installations. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to take one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CE Mark Warning

This is a Class B product. As a domestic environment, this product may cause radio interference, in which case the user may be required to take certain measures.
This equipment should be installed and operated with minimum distance 20cm between the device and your body.
NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity
We, Shenzhen Tenda Technology Co., Ltd. declare that the radio equipment type O9 is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
http://www.tendacn.com/technical/download-eu-c1.html

Operating Frequency Range: 5150-5250MHz, 5250-5350MHz
Power (Max.): 23 dBm
Power (Max.): 23 dBm
Software Version: V1.0.0

Technical Support
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