Tenda

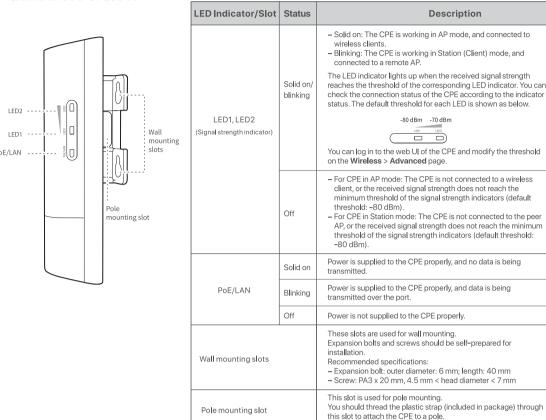
Quick Installation Guide

5GHz 9dBi 11AC 867Mbps Outdoor CPE 01-5G

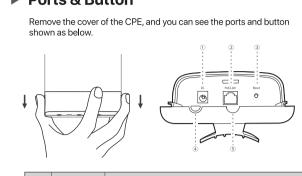
Fackage Contents		
• CPE × 1	 Power Adapter × 1 	
 PoE Injector × 1 	 Plastic Strap × 1 	,
 Quick Installation Guide × 1 		

Get to Know Your Device

► Indicators & Slots



Ports & Button



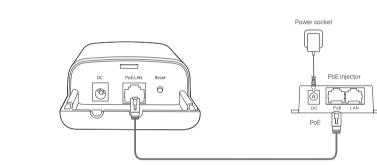
ID	Port/Button	Description
1	DC	Power jack. You can connect the included power adapter to this jack for power supply to the CPE.
2	PoE/LAN	10/100 Mbps PoE multiplex network port for power input or data transmission. - When the power socket is far away from the CPE installati location, you can use an Ethernet cable (CAT5e or better Ethernet cable is recommended) to connect this port and the PoE injector for power supply. The length of the Ethern cable should not exceed 60 meters. - If the CPE is powered on using a power adapter, this port can be connected to a computer, switch or IP camera.
3	Reset	Reset button. When the PoE/LAN LED indicator lights solid on or blinks, hold down this button for about 8 seconds, and release it until all indicators light up and then light off. When the PoE/LAN LED indicator lights solid on or blinks again, the CPE is restored to the factory settings.
4	Power cord inlet	When using a power adapter to power the CPE, you should cut off this inlet to fix the power cord.
(5)	Ethernet cable inlet	1

Get to know the PoE injector

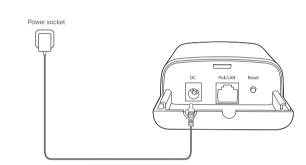
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Option 1: Use the PoE injector

Power on the CPE



Option 2: Use the power adapter



Point to Point Connection for CCTV Surveillance

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

Tips
At least two CPEs are required for bridging.

Method 1: Automatic Bridging (Recommended)

Peer-to-peer bridging

Note:
- Automatic bridging is only applicable when the CPEs are in factory settings, and the bridging process lasts less than 1 minute after the CPEs are powered on. - Automatic peer-to-peer bridging could fail if three or more powered CPEs in factory settings are placed nearby.

Place two CPEs in factory settings next to each other and power them on. The LED1 and LED2 indicators of the two CPEs blink fast. When the LED1 and LED2 indicators of one CPE light solid on and those of the other CPE blink slowly, the automatic

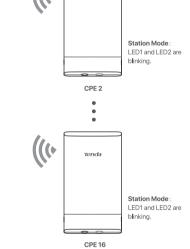
bridging succeeds. After the bridging succeeds, the DHCP server of the CPEs will be disabled automatically. The IP address of the CPE working in AP mode remains 192.168.2.1, and the IP address of the CPE working in Station mode is changed into

Tips
- The automatic peer-to-multiple peers bridging lasts for 30 minutes. During this period, the CPE working in AP mode must be kept powered on. Otherwise, other CPEs will fail to • Perform Peer-to-peer bridging to bridge any two

Within 30 minutes after peer-to-peer bridging succeeds, place other CPEs in factory settings near the CPE working in AP mode (LED1 and LED2 are solid on) and power them on.

When the LED1 and LED2 indicators of them are blinking slowly, the bridging of all other CPEs succeeds. After the bridging succeeds, the DHCP servers of the CPEs are disabled automatically. The IP address of the CPE in AP mode remains 192.168.2.1, and the IP address of CPEs in Station mode is changed into 192.168.2.2. If required please visit www.tendach.com.to.download.the CPE management software and install it on your computer to change the IP addresses in batch.



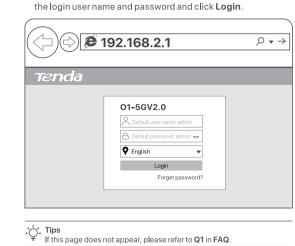


Method 2: Manual Bridging

Step1: Place the two CPEs next to each other.

Step2: Log in to the web UI of CPE1. Power on CPE1.

Use an Ethernet cable to connect your computer to the PoE/LAN port of CPE1. The **PoE/LAN** indicator lights up. 3 Start a web browser on the computer and visit 192.168.2.1. Enter





Step3: Set CPE1 to AP Mode.

On the Quick Setup page, Select AP, and click Next.

AP mode In this mode, the device creates a wireless network based on the current wired network

Next

SSID Tenda_123456 Channel 36(5180MHz) Channel Bandwidth 80MHz • Security Mode WPA2-PSK • Encryption Algorithm ● AES O TKIP O TKIP&AES Key •••••• Previous Next

2 Customize your SSID (WiFi name) and Key (WiFi password),

Record the **SSID** and **Key** for later setup.

select a Channel, a Channel Bandwidth, a Security Mode

(WPA2-PSK is recommended) and an ${\bf Encryption\ Algorithm}.$

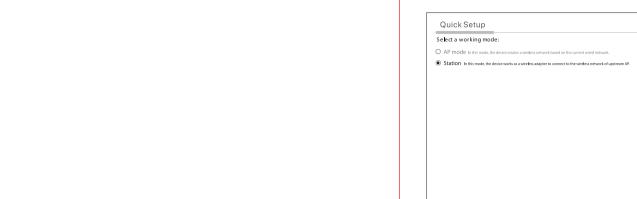
Step4: Set CPE2 to Station Mode.

• Perform **Step 2** to log in to the web UI of CPE2.

2 192.168.2.1 Login Forget password?

3 Click **Save**, and wait until the CPE reboots automatically to

On the Quick Setup page, select Station and click Next.



Select the SSID of CPE1, which is **Tenda_123456** in this

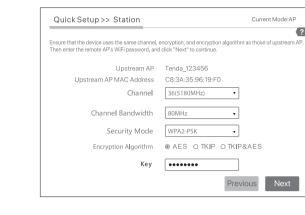
example, and click **Next**.

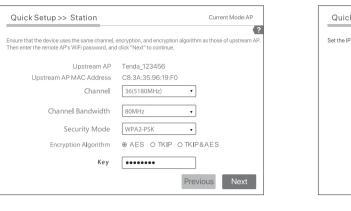


Quick Setup >> Station Scan again Upstream AP Tenda_123456 Select SSID Channel MAC Address Security Mode Signal

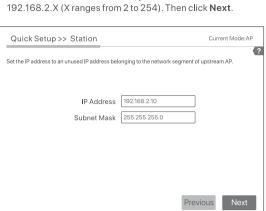
● Tenda_123456 36 C8:3A:35:96:19:F0 WPA2-PSK 』

• Enter the Key of CPE1, and click Next.





6 Set the IP address to an unused IP address belonging to the same network segment as that of CPE1. For example, if the IP address of CPE1 is 192.168.2.1, you can set this IP address to



© Click Save, and wait until the CPE reboots to activate the

When LED1 and LED2 of CPE1 are solid on, and LED1 and LED2 of CPE2 are blinking slowly, the bridging succeeds. If you want to perform peer-to-multiple peers bridging, refer to **Step 4** to bridge the new CPEs to the WiFi network of CPE1.

Safety Precautions

precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all the safety precautions that must be followed. They are only supplementary information, and the installation and maintenance personnel need to understand the basic safety precautions to be

- Do not use the device in a place where wireless devices are not

- Please use the included power adapter

- Keep the device away from water, fire, high electric field, high magnetic field, and inflammable and explosive items. - Do not use the power adapter if its plug or cord is damaged. - If such phenomena as smoke, abnormal sound or smell appear when you use the device, immediately stop using it and disconnect its power supply, unplug all connected cables, and contact the
- after-sales service personnel. Disassembling or modifying the device or its accessories without

authorization voids the warranty, and might cause safety hazards.

Q1: I cannot log in to the web UI of the CPE by entering its IP address. What should I do?

Try the following methods:

2. Install the CPEs

Power on CPEs.

Pole mounting is used for illustration here.

Choose an elevated, open location for installation.

② Use the plastic straps to attach the CPEs to the selected poles. Adjust their

Ocnnect the CPE with the LED1 and LED2 indicators solid on (AP mode - the

Ocnnect the CPE with the LED1 and LED2 indicators blinking (Station mode –

transmitting end) to the switch which is connected to an NVR (Network Video

the receiving end) to an IP camera or a switch which is connected to IP cameras.

location and direction, and tighten the straps to fix the CPEs.

LED1 and LED2 indicators of the CPEs light solid on or blink.

- Ensure that the CPE is properly connected. - Ensure that the IP address of the computer is in the same network segment with the CPE's IP address. For example, if the IP address of the CPE is 192.168.2.1, you can set the IP address of the computer to 192.168.2.X (X ranges from 2 to
- 254 and is not occupied). Reset the CPE to factory settings.

CPE is restored to factory settings.

Q2: How to reset the CPE to factory settings? Note: Resetting the CPE will clear the configuration you set before, and you need to configure it again. Method 1: When the PoE/LAN LED indicator lights solid on or blinks, hold down the **Reset** button for about 8 seconds and release it until all indicators light up and then light off. When you see the PoE/LAN LED indicator lights solid on or blinks again, the

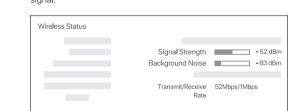
Method 2: Log in to the web UI of the CPE, click Tools > Maintenance, and then click Reset button.

Q3: How do I know whether the bridging connection quality is the

Method 1: Check the signal strength LED indicators on the CPE. If both the LED1 and LED2 indicators light solid on or blink, the connection quality is the best.

Method 2: Log in to the web UI of the CPE, and check Wireless Status on the Status page.

Stronger signal strength (-90 is better than -100) and less signal.



Q4: The automatic bridging fails. What should I do? Try the following methods:

- Peer-to-peer bridging: If the peer-to-peer bridging fails, restore the two CPEs to factory settings, and try again. • Peer-to-multiple peers bridging:
- For the CPEs that fail to bridge within 30 minutes after peer-to-peer bridging succeeds, reset them and try again. - For the CPEs that fail to bridge beyond 30 minutes after peer-to-peer bridging succeeds, set the rest CPEs to Station

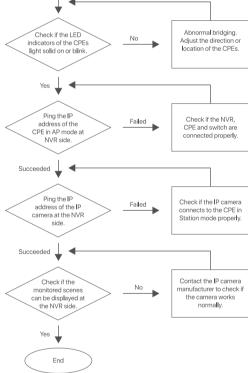
Q5: After successful bridging, there is no display of the scenes monitored at the NVR side. What should I do?

- Try the following methods:
- Ensure that all devices are powered on properly and Ethernet cables are connected properly. - Ensure that the computer, NVR and IP camera are in the same
- configuration are correct. - If the IP camera can be scanned but cannot be added at the
- If the IP camera cannot be scanned at the NVR side, please

network of the CPE whose LED1 and LED2 are solid on.

network segment, and the NVR configuration and IP camera

- NVR side, ensure that the **Transparent Bridge** function is enabled and the IP camera is already in initialization (active)
- refer to the following procedure to solve this issue.



CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

NOTE: (1) The manufacturer is not responsible for any radio or TV

This equipment should be installed and operated with a minimum distance of 20 cm between the device and your body. The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

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

Hereby, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the radio equipment type O1-5G is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.tendacn.com/download/list-9.html Operating Frequency Range: EU/5150-5250MHz (CH36-CH48)

EIRP Power (Max.): 22.98dBm EU/5470-5725MHz (CH100-CH116, CH132-CH140) EIRP Power (Max.): 26.98dBm Software Version: V1.0.0.10

Caution:

Adapter Model: BN073-A12012B, BN073-A12012E Manufacturer: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD. Input: 100 - 240V AC, 50/60Hz 0.4A Output: 12V DC, 1A

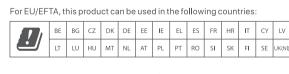
The CPE is used outdoors. The power adapter is used indoors.

RECYCLING

===: DC Voltage

nis product bears the selective sorting symbol for Waste electrical and electronic 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 User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic

Operating Temperature: -30 °C - 55 °C Operating Humidity: (10% - 90%) RH, non-condensing





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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may

which case the user will be required to correct the interference at his own Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any

cause harmful interference to radio communications. Operation of this

equipment in a residential area is likely to cause harmful interference in

interference received, including interference that may cause undesired Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF This equipment should be installed and operated with a minimum distance of 20 cm between the device and your body.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Operating frequency: 5150-5250MHz, 5725-5850MHz

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

Technical SupportShenzhen Tenda Technology Co., Ltd.
Floor 6-8, Tower E3, No.1001, Zhongshanyuan Road, Nanshan District, USA hotline: 1-800-570-5892

Global hotline: +86 755-2765 7180 (China Time Zone)

Toll Free: Daily-9am to 6pm PST Canada hotline: 1-888-998-8966 Toll Free: Mon - Fri 9 am - 6 pm PST Hong Kong hotline: 00852-81931998

E-mail: support@tenda.com.cn

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