Tenda

Quick Installation Guide

Wireless Ceiling Access Point
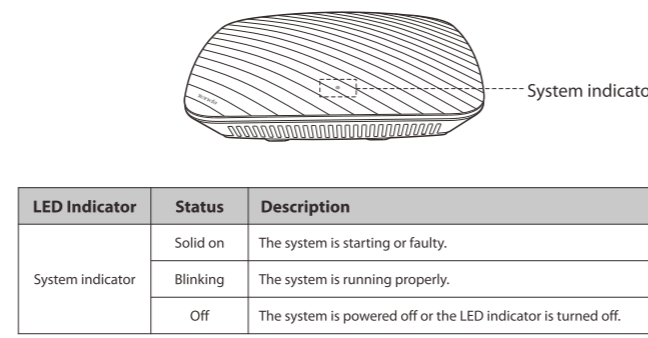i9/i21
i21 is used for demonstration in this Quick Installation Guide unless otherwise stipulated.

Packing List
- Ceiling AP * 1
- Bracket * 1
- Power adapter X 1
- Quick Installation Guide * 1
- Mounting accessory (including 2 plastic anchors and 2 screws)
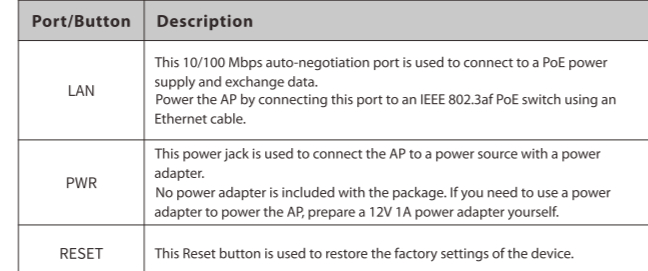
If any of the items is incorrect, missing, or damaged, please keep the original package and contact the local reseller or distributor immediately.
This Quick Installation Guide is for installation instruction only. For more product or function details, please go to http://www.tendacn.com.

1. Get to Know Your AP

System indicator

LED indicator	Status	Description
System indicator	Solid on	The system is starting or faulty.
	Blinking	The system is running properly.
	Off	The system is powered off or the LED indicator is turned off.

Reset button
Power jack
LAN port

Port/Button	Description
LAN	This 10/100 Mbps auto-negotiation port is used to connect to a PoE power supply and exchange data. Power the AP by connecting this port to an IEEE 802.3af PoE switch using an Ethernet cable.
PWR	This power jack is used to connect the AP to a power source with a power adapter. No power adapter is included with the package. If you need to use a power adapter to power the AP, prepare a 12V 1A power adapter yourself.
RESET	This Reset button is used to restore the factory settings of the device.

2. Installing the AP

Note: You may need a rubber hammer, a marker, a hammer drill, a drill bit, a screwdriver, and a ladder. Prepare them yourself.
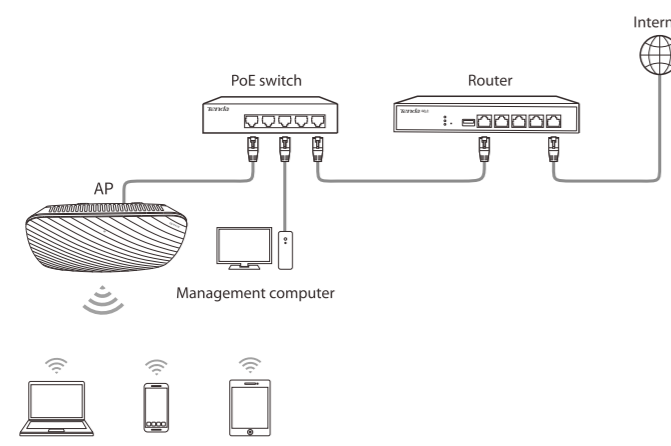
❶ Place the bracket onto the ceiling and mark the positions of the screw holes.

❷ Create holes at the marked positions using a hammer drill.

❸ Use the rubber hammer to knock the plastic anchors into the holes.

❹ Lead the screws through the screw holes of the bracket into the plastic anchors and use the screwdriver to fasten the bracket.

❺ Connect a CAT5 or better cable to the LAN port of the AP.

❻ Insert the hooks of the AP into the slots of the bracket, and slide the AP to one side until you hear a click.

Slot
Hook

3. Setting up Your WiFi Network

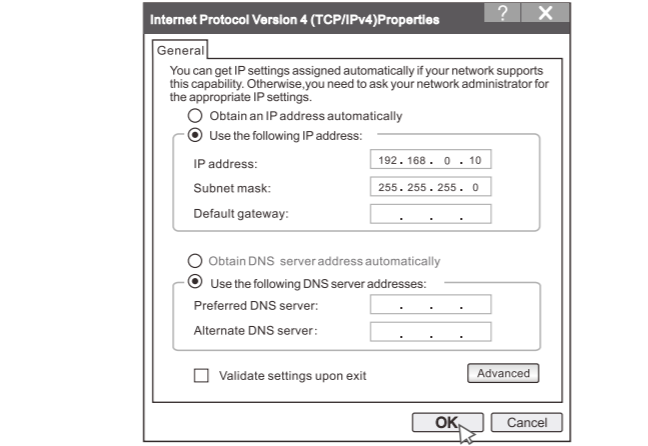### Scenario One: Setting up Your WiFi Network with a Router that Cannot Manage Tenda APs

❶ **Connect Devices**
Connect the LAN port of an AP to a PoE port of the PoE switch using an Ethernet cable, the uplink port of the PoE switch to a LAN port of the router, the WAN port of the router to the Internet, and connect the computer to the PoE switch using an Ethernet cable. See the following figure.

PoE switch Router Internet
AP
Management computer

❷ **Set the IP address of Your Computer** (Example Win7)
Right-click the network icon in the lower-right corner of the desktop of the computer, and click **Open Network and Sharing Center, Local Area Connection**, and then **Properties**. Double-click **Internet Protocol Version 4 (TCP/IPv4)**, select **Use the following IP address**, set **IP address** to **192.168.0.X** (X: 2~200, which is **192.168.0.10** in this example) and **Subnet mask** to **255.255.255.0**, and click **OK**.

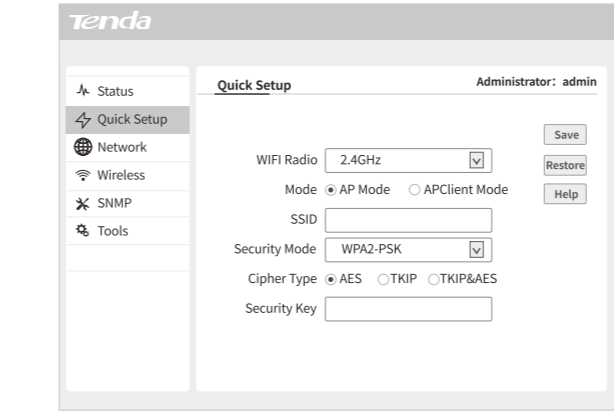❸ **Log in to the Web UI of the AP**
Start a web browser, enter the management IP address of the AP (default: **192.168.0.254**), and press **Enter**. Enter the user name and password (default: **admin/admin**), and click **Login**.

192.168.0.254

i21v1.0

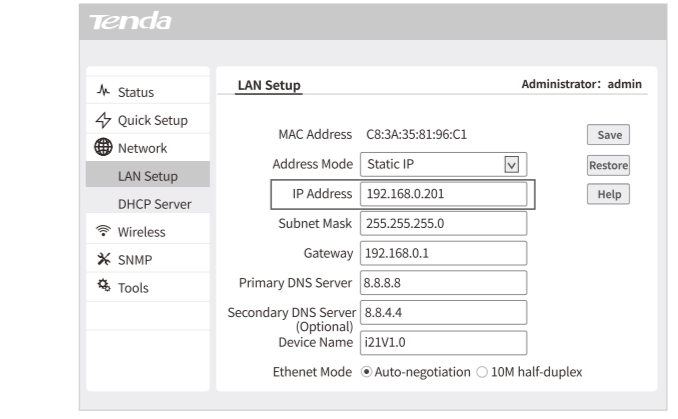* If this page is not displayed, refer to **Q1** in **FAQ**.

❹ **Set the WiFi Name and Password of the AP**
Choose **Quick Setup** and set the **SSID** (WiFi name), password and other parameters of the AP. For example, you can select **2.4GHz** from the drop-down list of **WIFI Radio**, set **SSID** (WiFi name) to **Tenda_1**, **Security Mode** to **WPA2-PSK**, **Cipher Type** to **AES**, and **Password** to **12345678**, and click **Save**.

Quick Setup Administrator: admin
WIFI Radio 2.4GHz
Mode AP Mode / APClient Mode
SSID
Security Mode WPA2-PSK
Cipher Type AES / TKIP / TKIP&AES
Security Key

❺ **Change the LAN IP Address of the AP**
Choose **Network > LAN Setup** and change the IP address to another **IP address** that has not been used in the network. For example, you can set the IP address of the first AP to **192.168.0.201** and the **IP address** of the second AP to **192.168.0.202**, and click **Save**.

LAN Setup Administrator: admin
MAC Address C8:3A:35:01:96:C1
Address Mode Static IP
IP Address 192.168.0.201
Subnet Mask 255.255.255.0
Gateway 192.168.0.1
Primary DNS Server 8.8.8.8
Secondary DNS Server 8.8.4.4 (Optional)
Device Name i21V1.0
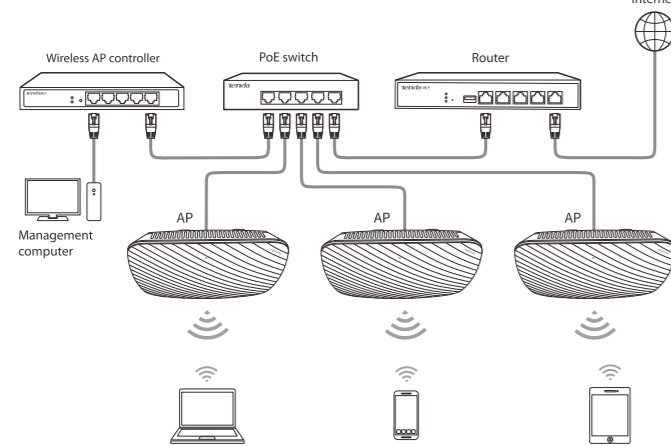Ethernet Mode Auto negotiation / 10M half-duplex

Wait a moment till the modification completes. Connect your WiFi devices to the AP's WiFi network (SSID) to access the internet.

* Connect the LAN port of another AP to a LAN port of the PoE switch using an Ethernet cable, and perform steps 3-5 again.

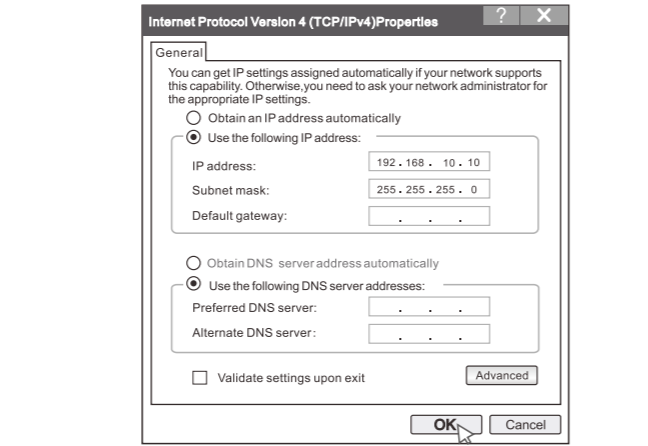### Scenario Two: Setting up Your Network with a Tenda AP Controller

❶ **Connect Devices**
Connect the LAN port of each AP to a PoE port of the PoE switch using an Ethernet cable, the uplink port of the PoE switch to a LAN port of the router, the WAN port of the router to the Internet, a LAN port of the wireless AP controller (Tenda M3 in this example) to the PoE switch, and the computer to M3. See the following figure.

Wireless AP controller PoE switch Router Internet
AP AP AP
Management computer

❷ **Set the IP Address of Your Computer** (Example Win7)
Right-click the network icon in the lower-right corner of the desktop of the computer, and click **Open Network and Sharing Center, Local Area Connection**, and then **Properties**. Double-click **Internet Protocol Version 4 (TCP/IPv4)**, select **Use the following IP address**, set **IP address** to **192.168.10.X** (X: 2~253, which is **192.168.10.10** in this example) and **Subnet mask** to **255.255.255.0**, and click **OK**.
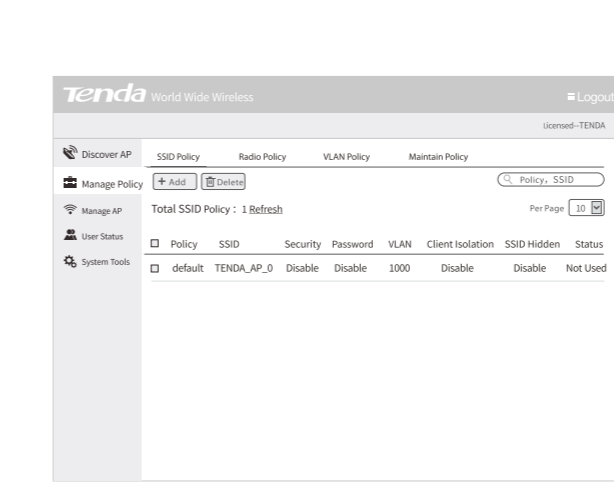
❸ **Log in to the Web UI of M3**
Start a web browser, enter the management IP address of M3 (default: **192.168.10.1**), and press **Enter**. Enter the user name and password (default: **admin/admin**), and click **Login**.

192.168.10.1

User Name
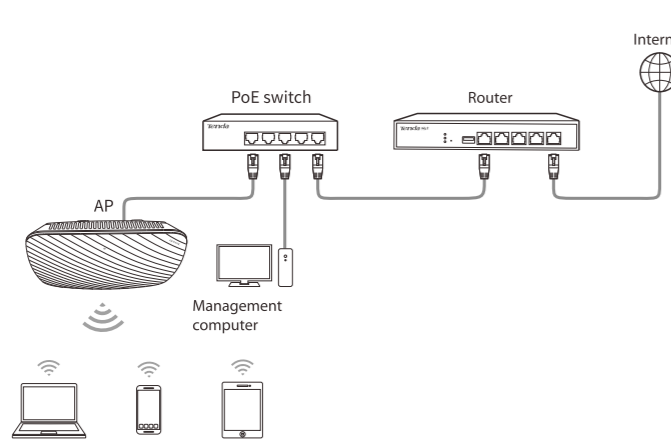Password

❹ **Set WiFi Name and Password of the APs**
Choose **Manage Policy** and click the icon on the right of the **default** policy, and change the settings. For example, set **SSID** to **Tenda_1**, **Security** to **WAP2-PSK**, **Password** to **87654321**, and click **Save**.

Scenario Three: Setting up Your WiFi Network with a Router that can Manage Tenda APs
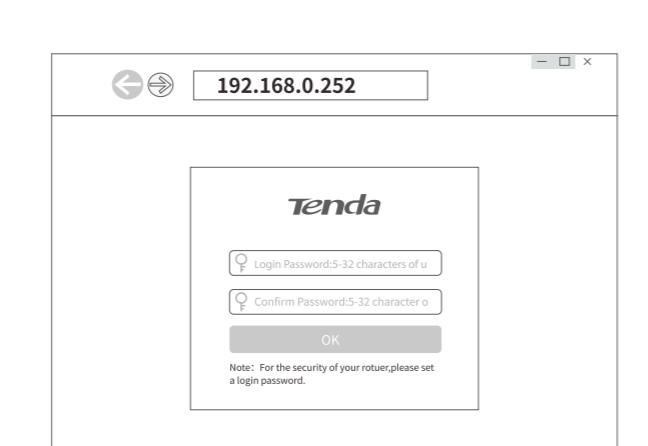
❶ **Connect Devices**
Connect a LAN port of an AP to a PoE port of the PoE switch using an Ethernet cable, the uplink port of the PoE switch to a LAN port of the router (such as G3), the WAN port of the router to the Internet. See the following figure.
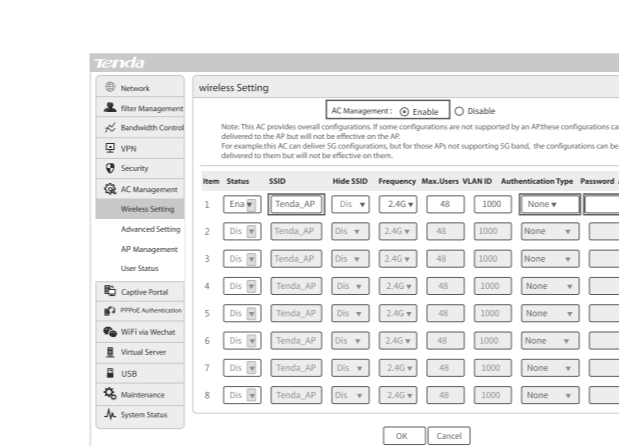

PoE switch Router Internet
AP
Management computer

❷ **Log in to the Web UI of G3**
Connect your computer to a LAN port of the router using an Ethernet cable. Start a web browser, enter the management IP address of G3 (default: **192.168.0.252**), and press **Enter**. Set your password on the page that appears, and click **OK** to access the home page of the web UI.

192.168.0.252

Tenda

❸ **Set the WiFi Name and Password of the AP**
Choose **AC Management > Wireless Settings** and set the WiFi name, password and other parameters of the AP. For example, you can set **SSID** (WiFi name) to **Tenda_1**, **Authentication Type** to **WPA2-PSK**, and **Password** to **87654321**, and click **OK**.

Wait a moment till the modification completes. Connect your WiFi devices to the AP's WiFi network (SSID) to access the internet.

FAQ

Q1: I cannot access the web UI of the AP after entering 192.168.0.254. What should I do?
A1. Try the following solutions:
- Ensure that the Ethernet cables are properly connected.
- Verify that the IP address of your computer is 192.168.0.X (X: 2~200).
- Clear the cache of your web browser or replace the web browser, and try login again.
- Disable the firewall of your computer or replace the computer, and try login again.
- If two or more APs are connected to your network without an AP controller, connect each AP to the switch one by one and change the IP address to another IP address that has not been used in the network, and try again.
- The AP may be managed by an AP controller and therefore its IP address is no longer 192.168.0.254. In that case, log in to the web UI of the AP controller to view the new IP address of the AP, and log in to the AP using the new IP address.
- If the problem persists, hold the RESET button down for 7 seconds to restore the AP to the factory settings, and try again.

Q2: My wireless AP controller cannot find the AP. What should I do?
A2. Check the following items:
- Verify that the devices are connected properly and the AP has started normally.
- If VLANs have been defined on your network, verify that the corresponding VLAN has been added to your AP controller.
- Restart the AP or restore the factory settings of the AP, and try scanning the AP again.

Operating temperature: -10°C~45°°C
Operating humidity: 10%-93% RH, non-condensing