IP-COM

User Manual

802.11AC Indoor/Outdoor Wi-Fi Acess Point

iUAP-AC-M is used for demonstration in this User Manual unless otherwise stipulated. For product or function details, please go to **www.ip-com.com.cn** or scan the **Product Documents** QR code in this manual to download the user guide.

Please read this manual before you start with the quick setup upon the first use. You can see the product name and model on the product label.
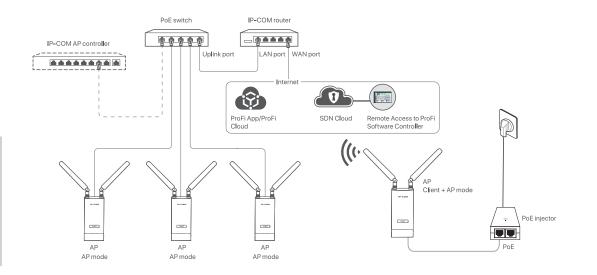
22
PAP

Network topology

Tips:
The access point (AP) supports Standard PoE Supply and Passive PoE Supply.
- For Standard PoE Power Supply, connect the PoE port of the AP to the PoE power supply device using an Ethernet cable (CAT5e or better, ≤ 100 m). Scan the QR code in **Appendix A Get support and services** to view the PoE power supply standards (such as IEEE 802.3af, IEEE 802.3at) supported by the AP.
- For passive PoE power supply, connect the PoE port of the AP to the PoE injector (placed indoors) using an Ethernet cable (CAT5e or better, ≤ 50 m), and ensure that the output voltage of the PoE injector is within the input voltage range indicated on the AP.

Attach antennas

Tips:
The appearances and accessories of APs vary with models. Some models of APs are equipped with antennas. Attach antennas when required.
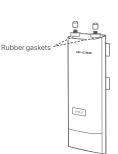
① Remove and discard the two plastic caps.

② Connect the antennas to the SMA connectors.

⚠ NOTE
Ensure the rubber gaskets remain in place for waterproofing.

Tips:
To achieve optimal performance, it is recommended that you position the antennas at 45-degree angles (as shown in the following figure).

Rubber gaskets

45°   45°

Install the AP
Select the installation method based on the actual environment and product model. For the supported installation methods, scan the **Product Documents** QR code in **Appendix A** to view the Quick Installation Guide of the target products.

Option 1 — Wall mounting

Tips:
- Before installation, prepare the AP, brackets, plastic anchors, screws, anti-theft screw, and grounding screws.
- You may need a rubber hammer, a marker, a hammer drill, a drill bit, and a screwdriver for the installation. Please prepare them yourself.

① Place the bracket (with the anti-theft hole upward) on the wall for installation, and mark the screw hole positions with a marker.
② Drill out the holes using a drill bit. Use a rubber hammer to knock the plastic anchors into the holes one by one.
③ Secure the wall-mounted bracket on the wall by using the screws.

④ Attach the AP to the wall-mounted bracket by sliding the mounting tabs to the bottom of the slots.

⑤ Use a screwdriver to fix the anti-theft screw to the anti-theft hole.

Anti-theft hole
Bracket
Wall
Anti-theft Hole

Option 2 — Pole mounting

Tips:
Before installation, prepare the AP, grounding screws, and straps (or clamps, hoops).

Thread the strap through the slot on the back of the AP, wrap the strap around the pole, and tighten the strap.

Or

Thread the metal strap through the slot on the back of the AP, wrap the metal strap around the pole, and tighten the strap by turning the screw clockwise using a screwdriver.

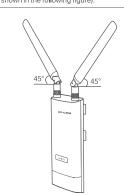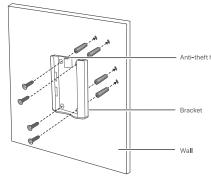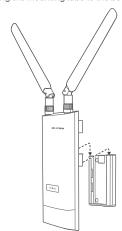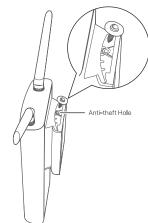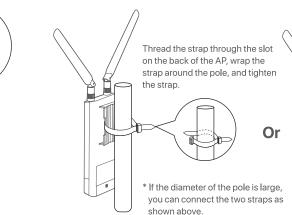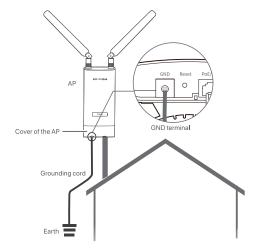* If the diameter of the pole is large, you can connect the two straps as shown above.

Lightning and ESD protection

Connect the GND terminal of the AP to a grounding terminal connected the earth or building to protect the AP from overvoltage and overcurrent caused by lightning and ESD.

① Open the cover of the AP. Connect one side of a grounding cord to the GND terminal of the AP using the included grounding screw.
② Remove the cable grommet and then replace the port cover.
③ Connect the other side of the grounding cord to the grounding terminal connected to the earth or building.

AP
Cover of the AP
Grounding cord
GND   Reset   PoE
GND terminal
Earth

Configure the AP

Method 1: Through ProFi Software Controller

Visit www.ip-com.com.cn to download ProFi Software Controller to your computer for management. For details, please refer to the ProFi Software Controller's user guide.

Method 2: Through ProFi App/ProFi Cloud

Tips:
Before managing the AP through the ProFi App, please ensure that:
- The AP can be managed by the ProFi App. You can judge by the QR code of the ProFi App on the AP.
- The AP is connected to the internet.

Scan the QR code below to download the ProFi App. Follow the instructions on the App to manage the AP.

⌈ Scan to download ProFi App ⌋

After you add the AP to ProFi App, the data will be synchronized to the web UI of ProFi Cloud (imsen.ip-com.com.cn). Then, you can also remotely manage the AP through ProFi Cloud.

Method 3: Through an IP-COM hardware controller

If there is an IP-COM hardware controller (an IP-COM AP controller or an IP-COM router with AP management function) in the LAN, you can manage the APs in batches through the hardware controller. For details, please refer to the hardware controller's user guide.

Method 4: Through web UI of the AP

If no devices in the LAN can manage the AP, you can manage the AP through its own web UI.

① Use an Ethernet cable to connect the management computer to a switch which is connected to the AP. Set the IP address of the management computer to the same network segment as that of the AP (default: **192.168.0.254**).
For example, if the IP address of the AP is **192.168.0.254**, set the IP address of the management computer to **192.168.0.X** (X ranges from 2 to 253 and is not occupied by other devices) and Subnet mask to **255.255.255.0**.
② Start a web browser on the management computer, and access the IP address of the AP to manage it.

Appendix A Get support and services

Scan the **Product Documents** QR code to get related documents, such as the quick installation guide and video installation guide.
* The product model can be found in the label on the device.

Product Documents
(such as quick installation guide and user guide)

Appendix B LED indicators, ports and buttons

LED indicator	Description
Blinking white	The AP is starting up.
Solid white	The AP has completed startup and is waiting to be managed by a controller (such as ProFi Software Controller, ProFi App/ProFi Cloud web UI, an AP controller (AC), or a router with AP management function).
Solid blue	The AP is managed by a controller (such as IP-COM ProFi Software Controller, ProFi App/ProFi Cloud web UI, an AP controller (AC) or a router with AP management function) and is working properly.
Fast blinking blue	The AP Locate feature was activated in the ProFi Software Controller or ProFi App/ProFi Cloud web UI.
Slowly blinking blue	The AP is isolated and the wireless network is disconnected.
Alternating white/blue	The AP is busy (for example, upgrading firmware). Do not disconnect the power.

Port/Button	Description
GND	Grounding terminal. Use the included grounding screw to connect the grounded grounding cord to this terminal for lightning and ESD protection.
Reset	Reset button. When the AP is idle (for example, not upgrading), hold down the reset button (**Reset** for example) for about 8 seconds, and then release it. The AP is restored to factory settings.
PoE/LAN	Multipurpose port used to supply power or transmit data. Use a CAT5e or better Ethernet cable to connect the power supply device to supply power to the AP.

Appendix C 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:
- Check if your Ethernet cables are connected properly.
- Ensure that the IP address of the computer and the IP address of the AP are in the same network segment. For example, if the IP address of the AP is **192.168.0.254**, the IP address of the computer should be 192.168.0.X (X: 2 to 253), and the IP address is not used by any other devices in the network.
- If the AP has been managed by AP controllers (AC) or routers that support AP management, the AP will automatically obtain its IP address from the DHCP server in the network. In this case, go to the client list of the DHCP server to view the IP address obtained by the AP, and then log in to the AP's web UI using the new IP address.
- If the problem persists, refer to **Q4** to reset the AP.

Q2. The AP controller (AC) cannot find the AP. What should I do?
A2. Try the following solutions:
- Ensure that all the devices in the network are connected properly and the AP has completed startup.
- If VLANs have been defined in your network, verify that the corresponding VLAN has been added to your AC.
- Reboot the AP.
- Ensure that the firmware versions of your AP and AP controller (AC) are the same with the latest firmware versions available on **www.ip-com.com.cn**.
- Refer to **Q4** to reset your AP.

Q3. I forgot the user name and password when logging in to the web UI of the AP. What should I do?
A3. Use the default login information (username and password are both **admin**) to log in to the web UI of the AP.
If it does not work, reset the AP (refer to **Q4**), and then use the default login information to log in.

Q4. How to reset the AP?
A4. When the AP is idle (for example, not upgrading), hold down the reset button (Reset for example) for about 8 seconds. The AP will be restored to factory settings.

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

FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

Appendix D Safety precautions

Before performing an operation, read the operation instructions and 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. The installation and maintenance personnel need to understand the basic safety precautions to be taken.
- If the AP has wall mounting or pole mounting holes, the AP is only suitable for mounting at a height of 1.5 m - 5 m.
- Do not use the AP in a place where wireless devices are not allowed.
- Ensure that the input voltage is within the input range indicated on the AP.
- Keep the AP away from water, fire, high electric field, high magnetic field, and inflammable and explosive items.
- The AP should be powered off during installation.
- If such phenomena as smoke, abnormal sound or smell appear when you use the AP, immediately stop using it and disconnect its power supply, unplug all connected cables, and contact the after-sales service personnel.
- Disassembling or modifying the AP or its accessories without authorization voids the warranty, and might cause safety hazards.

For more safety precautions, scan the **Product Documents** QR code in **Appendix A** to view the Quick Installation Guide of the target products.

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

Operations in the 5.15-5.25 GHz band are restricted to indoor use only.

This equipment should be installed and operated with minimum distance 20cm between the device and your body.

The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

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
Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that this device 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://ip-com.com.cn/en/ce.html

For EU/EFTA, this product can be used in the following countries:

BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	HR	IT	CY	LV
LT	LU	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	UK(NI)

FCC Statement
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. 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 try to correct the interference by 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.

RECYCLING

This 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 new electrical or electronic equipment.

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V1.0 Keep for future reference