IP-COM

Quick Installation Guide

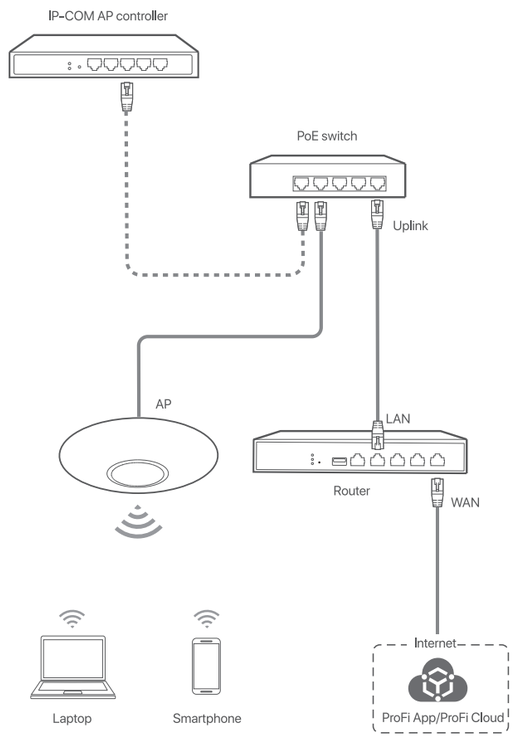
AX1500 Wi-Fi 6 Dual-Band Access Point

Pro-6-Mini

Package Contents

- AP x 1
- Mounting bracket x 1
- PoE adapter x 1
- Power cord x 1
- Screw (head diameter: 6 mm, thread diameter: 3 mm, length: 25 mm) x 3
- Plastic anchor (inner diameter: 2.4 mm, height: 6.6 mm, length: 26.4 mm) x 3
- Plastic nut (inner diameter: 2.51 mm, length: 14.5 mm) x 3
- Quick installation guide

Typical Network Topology

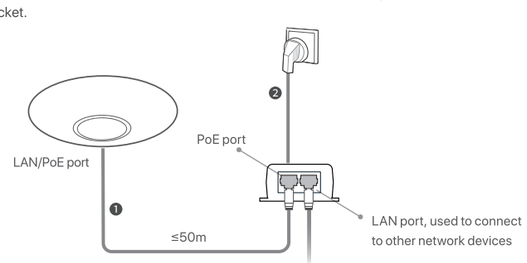


Power on the AP

CAT5e or above Ethernet cables are recommended.

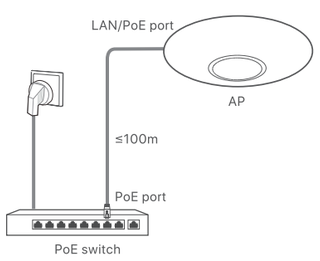
Method 1: Use the Included PoE Adapter and Power Cord

1. Use an Ethernet cable (length: ≤ 50m) to connect the **LAN/PoE** port of the AP to the **PoE** port of the included PoE adapter (placed indoors).
2. Connect the included power cord to the PoE adapter and then plug the power cord into a power socket.

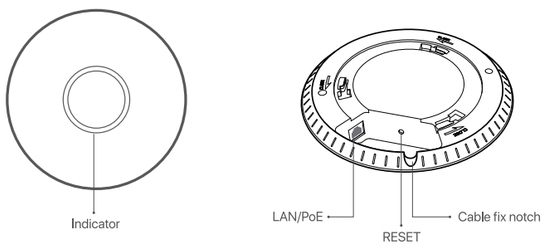


Method 2: Use a Standard PoE Power Supply Device

Use an Ethernet cable (length: ≤ 100m) to connect the **LAN/PoE** port of the AP to the **PoE** port of a PoE power supply device with IEEE 802.3at standards. A PoE switch is used for illustration in the following figure.



Indicator/Port/Button/Jack



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 IP-COM ProFi Software Controller, ProFi App/ProFi Cloud, 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, 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 Cloud.
Slowly blinking blue	The Wi-Fi network of the AP is disabled and does not provide wireless access.
Alternating white /blue	The AP is busy (for example, upgrading firmware). Do not cut off power.

Port/Button/Jack	Description
LAN/PoE	Gigabit LAN port, PoE power input and data transmission port. Connect to a PoE power supply device (such as a PoE switch) compliant with IEEE 802.3at.
RESET	For the reset method, see **Q4** in **FAQ**.
Cable fix notch	Fix Ethernet cable to the AP.

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.
This device should be installed and operated with a minimum distance of 20 cm 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

Hereby, SHENZHEN IP-COM Networks Co., Ltd. declares that the device (Access Point) 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

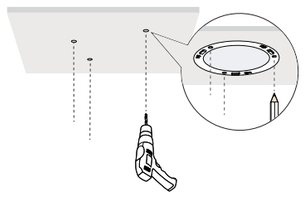
English: Operating Frequency/Max Output Power **Deutsch:** Betriebsfrequenz/Max. Ausgangsleistung **Italiano:** Frequenza operativa/Potenza di uscita massima **Español:** Frecuencia operativa/Potencia de salida máxima **Português:** Frequência de Funcionamento/Potência Máxima de Saída **Français:** Fréquence de fonctionnement/Puissance de sortie maximale **Nederlands:** Bedrijfsfrequentie/Maximaal uitgangsvermogen **Svenska:** Driftsfrekvens / Max Uteffekt **Dansk:** Driftsfrekvens/Maks. Udgangseffekt **Suomi:** Toimintataajuus/maksimilähtöteho **Magyar:** Működési frekvencia/Maximális kimeneti teljesítmény **Polski:** Częstotliwość pracy / Maksymalna moc wyjściowa **Čeština:** Provozní frekvence/maximální výstupní výkon **Ελληνικά:** Συχνότητα Λειτουργίας/Μέγιστη Ισχύς Εξόδου **Română:** Frecvența de funcționare/Puterea maximă de ieșire **Български:** Работна честота/максимална изходна мощност **Eesti:** Töösagedus/Max väljundvõimsus **Slovenščina:** Delovna frekvenca/Največja izhodna moč **Slovenčina:** Prevádzková frekvencia/maximálny výstupný výkon	2412MHz-2472MHz/20dBm 5150MHz-5250MHz (indoor use only)/23dBm

Install the AP

Tips

The AP is suitable for mounting at heights > 2m. Before installation:
- Record the MAC address (on the bottom label of the AP) and installation position of the AP to locate the AP.
- You may need a rubber hammer, a marker, a hammer drill, a drill bit, a screwdriver, and a ladder for the installation. Please prepare them yourself.

1. Position the bracket on the ceiling, mark screw hole positions with the marker and drill holes in the marked positions using a hammer drill.

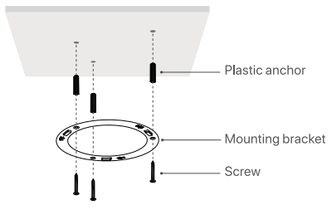


2. Fix the bracket.

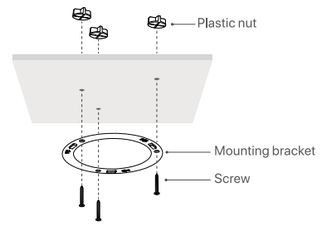
Tips

Option A applies to general cases. For ceilings with weak strength (such as plasterboard), please choose **Option B**.

Option A: Knock the included plastic anchors into the holes using the rubber hammer. Insert the included screws into the screw holes on the bracket and fix them into the plastic anchors using a screwdriver.



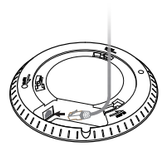
Option B: Insert the included screws into the screw holes on the bracket and fix them into the included plastic nuts using a screwdriver.



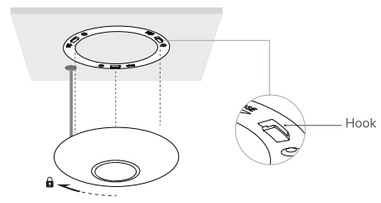
3. Use an Ethernet cable (CAT5e or above recommended) to connect the **LAN/PoE** port of the AP to the the included PoE adapter or PoE power supply device.

Tips

For details about connection methods, please refer to **Power on the AP**.



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



Configure the AP

Use ProFi App/ProFi Cloud

AP can be managed using ProFi App or ProFi Cloud (**https://imsen.ip-com.com.cn**). You can choose between the following methods.

Tips
- Before managing the AP, ensure that the internet where the AP is deployed is connected.
- ProFi App is interoperable with ProFi Cloud, so a project created on the ProFi App can also be found and managed on ProFi Cloud.
- For more details, see help document in **Help Center** of ProFi App or ProFi Cloud.

Method 1: Add the AP in LAN

1. Download the ProFi App to your mobile device by scanning the QR code or searching for **IP-COM ProFi** in **Google Play** or **App Store**.

Or Download on the App Store / GET IT ON Google Play

2. Connect your mobile device to the Wi-Fi network of the AP.
3. Open your ProFi App, and tap the project (or create one if no projects exist) to which you want to add the AP.
4. Tap the pop-up window that shows the AP is detected, and add the AP to the project.

Tips
- If the AP is managed by the AP controller or router, log in to the web UI of the controller or router to view the Wi-Fi name and password of the AP. If the AP is not managed by any network device, the Wi-Fi network only has a default Wi-Fi name **IP-COM_** *XXXXXX* (*XXXXXX* is the last six digits of the MAC address on the bottom label of the AP).
- If the pop-up window does not appear, tap ⊕ and follow the on-screen instructions.

Method 2: Add the AP with Unique Cloud Code

1. Get the **Unique Cloud Code** from ProFi App or ProFi Cloud.
2. Log in to the web UI of the AP, enable cloud maintenance and paste the **Unique Cloud Code**.
3. Add the AP to the project through **Device-joining Alert** on ProFi App or ProFi Cloud.

Use ProFi Software Controller

Visit **www.ip-com.com.cn** to download ProFi Software Controller to your computer for management. For details, visit the product page or service page on **www.ip-com.com.cn** to get the user guide of the **ProFi Software Controller**.

Use an IP-COM Hardware Controller

IP-COM hardware controller is an IP-COM AP controller or IP-COM router with AP management function. If there is an IP-COM hardware controller in the LAN, you can manage the APs in batches using the hardware controller. For details, visit the product page or service page on **www.ip-com.com.cn** to get the user guide of the hardware controller of the model.

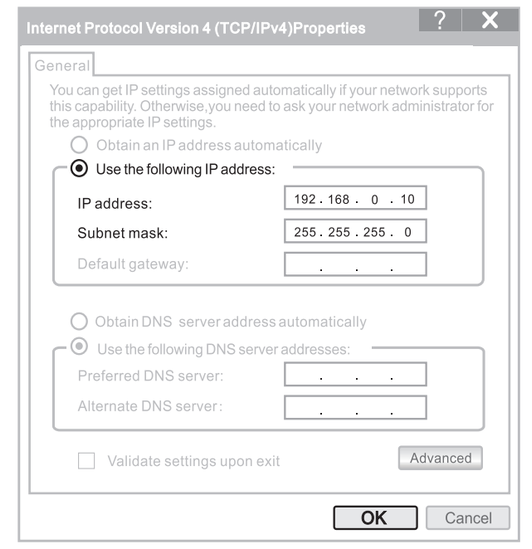
Use Web UI of the AP

Tips
- To avoid IP addresses conflict between APs in the same LAN, change the IP addresses of the APs separately.
- Record the changed IP addresses of APs for subsequent management.

1. Use an Ethernet cable to connect the management computer to a switch which is connected to the AP.
2. Set the IP address of the management computer to the IP address within the same network segment as the AP.

Tips
- Without the DHCP server in the LAN, the default IP address of the AP is **192.168.0.254**.
- With the DHCP server in the LAN, the AP will obtain an IP address from a DHCP server and you can check the new IP address from the client list of the DHCP server. It is available only when the AP is in factory settings.

For example, if the IP address of the AP is 192.168.0.254, you can set the IP address of your computer to **192.168.0.***X* (*X* ranges from 2 to 253 and is unused) and subnet mask to **255.255.255.0**.



3. Start a web browser on the management computer, and enter the IP address of the AP in the address bar to log in to the web UI to manage AP.

For details, visit the product page or service page on **www.ip-com.com.cn** to get the user guide of the AP.

FAQ

Q1. I cannot log in to the web UI of the AP. What should I do?

A1. Try the following solutions:
- Ensure that the Ethernet cable between the AP and the management computer is connected properly.
- Ensure that the IP address of the management computer is set to the IP address within the same network segment as the AP. For example, if the IP address of the AP is 192.168.0.254, you can set the IP address of your computer to 192.168.0.*X* (*X* ranges from 2 to 253 and is unused).
- If the LAN where the AP is deployed has a DHCP server, the AP will obtain an IP address from a DHCP server in the LAN. You can check the new IP address from the client list of the DHCP server, and use this IP address to log in. It is available only when the AP is in factory settings.
- Clear the cache of your web browser or replace the web browser, and try login again.
- If the problem persists, refer to **Q4** to reset the AP.

Q2. The ProFi App fails to add the AP to a project. What should I do?

A2. Try the following solutions:
- Ensure that the internet where the AP is deployed is connected.
- Ensure that the firmware of the AP is the latest version.
- Ensure that the AP is supported by the ProFi App.
- Reboot the AP.
- Refer to **Q4** to reset the AP.

Q3. The controller fails to detect the AP. What should I do?

A3. Try the following solutions:
- Ensure that the physical connections are correct and the AP has started up properly.
- If VLAN exists in the network, ensure that the controller is in the same VLAN as the AP.
- Reboot the AP.
- Ensure that the firmware of the controller and the AP is the latest version **www.ip-com.com.cn**.
- Refer to **Q4** to reset the AP.

Q4. How to reset the AP?

A4. When the AP is idle, hold down the reset button (**RESET**) with a needle-like object for about 8 seconds and release it when the indicator turns off. When the indicator blinks white, the AP is reset successfully.

Q5. I forgot the username and password when logging in to the web UI of the AP. What should I do?

A5. Refer to **Q4** to reset the AP. Configuring the username and password is required when logging in to the web UI of the AP after resetting.

Get Support and Services

https://www.ip-com.com.cn/en/service/default.html

For technical specifications, user guides, GNU General Public License Notice and more information, please visit the product page or service page on **www.ip-com.com.cn**. Multiple languages are available.
You can see the product name and model on the product label.

Safety Precautions

Before operating, 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, and the installation and maintenance personnel need to understand the basic safety precautions to be taken.
- Operating temperature: 0℃-40℃ (32°F-104°F).
- Do not use the device in a place where wireless devices are not allowed.
- Use a PoE power supply device with required specifications. Do not use the PoE power supply device if it is damaged.
- Keep the device away from water, fire, high electric field, high magnetic field, and inflammable and explosive items.
- 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.
- Refer all servicing to qualified service personnel.
- Disconnect the power source during servicing.
- The device's marking information can be found on its surface.

For the latest safety precautions, see **Safety and Regulatory Information** on **www.ip-com.com.cn**.

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.

The device is for indoor usage only.

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.

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

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.

Operating frequency: 2412-2462MHz, 5180-5240MHz, 5745-5825MHz

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.

Hrvatski: Radna frekvencija/Maksimalna izlazna snaga **Latviešu:** Operējošās frekvences/ Maksimālā jauda **Lietuvių:** Darbinis dažnis / maksimali išėjimo galia **Türkçe:** Çalışma Frekansı/Maks. Çıkış Gücü **Русский:** Рабочая частота/макс. выходная мощность **عربي:** تردد التشغيل /الحد الأقصى لطاقة الإخراج	2412MHz-2472MHz/20dBm 5150MHz-5250MHz (indoor use only)/23dBm

	AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK(NI)

	UK

English – Attention: In EU member states, EFTA countries, Northern Ireland and Great Britain, the operation in the frequency range 5150 MHz – 5250 MHz is only permitted indoors.
Deutsch – Achtung: In den EU-Mitgliedsstaaten, den EFTA-Ländern, Nordirland und Großbritannien ist der Betrieb im Frequenzbereich 5150 MHz – 5250 MHz nur in Innenräumen erlaubt.
Italiano – Attenzione: Negli Stati membri dell'UE, nei Paesi EFTA, nell'Irlanda del Nord e in Gran Bretagna, il funzionamento nella gamma di frequenze 5150 MHz – 5250 MHz è consentito solo in ambienti chiusi.
Español – Atención: En los estados miembros de la UE, los países de la AELC, Irlanda del Norte y Gran Bretaña, el rango de frecuencia operativa de 5150 MHz a 5250 MHz solo está permitido en interiores.
Português – Atenção: Nos estados membros da UE, países da EFTA, Irlanda do Norte e Grã-Bretanha, o funcionamento na gama de frequências 5150 MHz – 5250 MHz só é permitido no interior.
Français – Attention: Dans les États membres de l'UE, les pays de l'AELE, l'Irlande du Nord et la Grande-Bretagne, l'utilisation dans la gamme de fréquences 5150 MHz – 5250 MHz n'est autorisée qu'en intérieur.
Nederlands – Aandacht: In de EU-lidstaten, de EVA-landen, Noord-Ierland en Groot-Brittannië is gebruik in het 5150 MHz – 5250 MHz frequentiebereik alleen binnenshuis toegestaan.
Svenska – Uppmärksamhet: I EU medlemsstater, EFTA – länderna, Nordirland och Storbritannien är det endast tillåtet att använda frekvensområdet 5150 MHz – 5250 MHz inomhus.
Dansk – Bemærk: I EU-medlemslandene, EFTA-landene, Nordirland og Storbritannien er drift i frekvensområdet 5150 MHz – 5250 MHz kun tilladt indendørs.
Suomi – Huom: Eu-maissa, EFTA-maissa sekä Isossa-Britanniassa ja Pohjois-Irlannissa taajuusaluetta 5150 MHz – 5250 MHz on sallittua käyttää ainoastaan sisätiloissa.
Magyar – Figyelem: Az EU-tagállamokban, az EFTA-országokban, Észak-Írországban és Nagy-Britanniában az 5150 MHz-5250 MHz-es frekvenciatartományban való működtetés csak beltérben engedélyezett.
Polski – Uwaga: W państwach członkowskich UE, krajach Europejskiego Stowarzyszenia Wolnego Handlu (EFTA), Irlandii Północnej i Wielkiej Brytanii praca w zakresie częstotliwości 5150 MHz – 5250 MHz jest dozwolona tylko w pomieszczeniach.
Čeština – Pozor: V členských státech EU, zemích ESVO, Severním Irsku a Velké Británii je provoz ve frekvenčním rozsahu 5150 MHz – 5250 MHz povolen pouze v interiéru.
Ελληνικά – Προσοχή: Στα κράτη μέλη της ΕΕ, στις χώρες της ΕΖΕΣ, στη Βόρεια Ιρλανδία και στη Μεγάλη Βρετανία, η λειτουργία στην περιοχή συχνοτήτων 5150 MHz – 5250 MHz επιτρέπεται μόνο σε εσωτερικούς χώρους.
Română – Atenție: În statele membre UE, țările EFTA, Irlanda de Nord și Marea Britanie, operarea în intervalul de frecvență 5150 MHz – 5250 MHz este permisă numai în interior.
Български – Внимание: В страните-членки на ЕС, страните от ЕАСТ, Северна Ирландия и Великобритания, работата в честотния диапазон 5150 MHz – 5250 MHz е разрешена само на закрито.
Eesti – Tähelepanu: EL-o liikmesriikides, EFTA riikides, Põhja-Iirimaal ja Suurbritannias on sagedusvahemikus 5150 MHz–5250 MHz kasutamine lubatud ainult siseruumides.
Slovenščina – Pozor: V državah članicah EU, državah EFTA, Severni Irski in Veliki Britaniji je delovanje v frekvenčnem območju 5150 MHz – 5250 MHz dovoljeno samo v zaprtih prostorih.
Slovenčina – Pozor: V členských štátoch EÚ, krajinách EFTA, Severnom Írsku a Veľkej Británii je prevádzka vo frekvenčnom pásme 5150 MHz – 5250 MHz povolená len v interiéri.
Hrvatski – Pozornost: U državama članicama EU, zemljama EFTA-e, Sjevernoj Irskoj i Velikoj Britaniji, rad u frekvencijskom rasponu od 5150 MHz do 5250 MHz dopušten je samo u zatvorenom prostoru.
Latviešu – Uzmanību: ES valstīs, EBTA valstīs, Ziemeļīrijā un Lielbritānijā, operēšana iekštelpās ir atļauta tikai 5150 MHz – 5250 MHz diapazonā.
Lietuvių – Dėmesio: ES valstybėse narėse, ELPA šalyse, Šiaurės Airijoje ir Didžiojoje Britanijoje 5150 MHz – 5250 MHz dažnių diapazone leidžiama veikti tik patalpose.
Íslenska – Athugið: Í aðildarríkjum ESB, EFTA-löndum, Norður-Írlandi og Bretlandi er rekstur á tíðnisviðinu 5150 MHz – 5250 MHz aðeins leyfður innandyra.
Norsk – OBS: I EUs medlemsland, EFTA-land, Nord-Irland og Storbritannia er drift i frekvensområdet 5150 MHz – 5250 MHz kun tillatt innendørs.

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 a new electrical or electronic equipment.

Technical Support
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V1.0 Keep for future reference.