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IAP3300L-2E-4GT1GP-2LVI Indoor Dual Band WiFi6 Wireless AP Quick Installation Guide

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【Package Checklist】

Please check whether the package and accessories are intact while using the device for the first time.

1. Wireless AP
2. Antenna*2
3. Wall mounting attachment
4. DIN-Rail mounting attachment
5. Warranty card
6. Certification

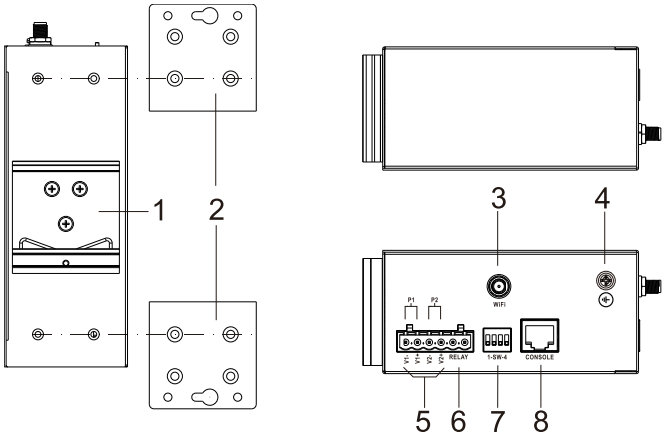
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

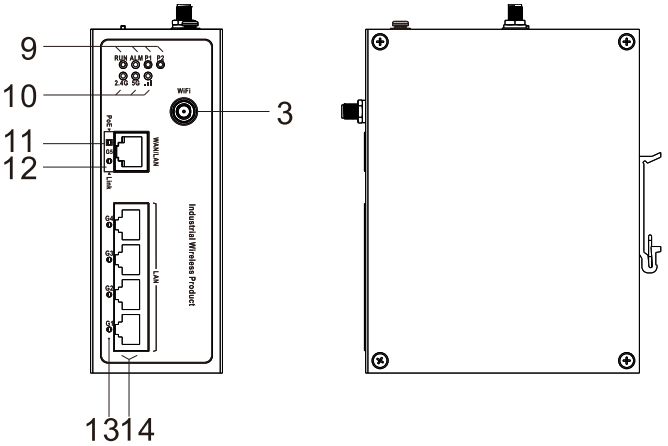
The device is a 5-port Gigabit indoor dual-band Wi-Fi6 wireless AP. Model is: IAP3300L-2E-4GT1GP-2LVI (2 2.4G/5G combined antenna interfaces + 4 Gigabit RJ45 ports (LAN) + 1 Gigabit PoE RJ45 port (LAN/WAN), 1 12~48VDC power input).

【Panel Design】

➢ **Rear view, top view and bottom view**



➢ **Main view and right view**



➢ **Rear View**

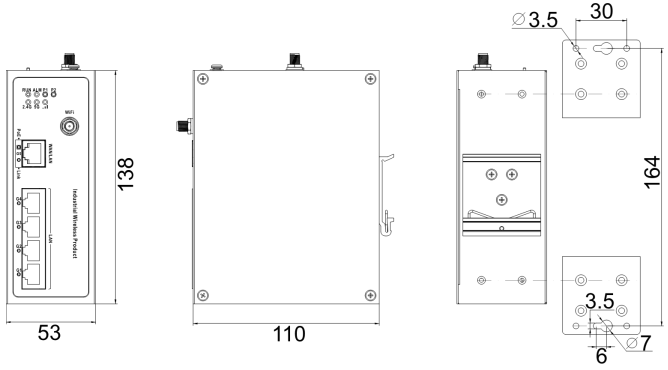
1. DIN-Rail mounting kit
2. Wall-mounting panel
3. 2.4G/5G dual-band antenna interface (WiFi1/2)
4. Grounding screw
5. 12~48VDC power input (P1/2)
6. Relay (Reserved)
7. DIP switch
8. CONSOLE port
9. from left to right in order they are:
   - Running indicator (RUN)
   - Alarm indicator (ALM)
   - Power supply indicator (P1)
   - Power supply indicator (P2)
10. from left to right in order they are:
   - 2.4G wireless signal indicator (2.4G)
   - 5G wireless signal indicator (5G)
   - 2.4G/5G bridging signal indicator
11. PoE indicator
12. 10/100/1000Base-T(X) PoE RJ45 port (LAN/WAN)
13. 10/100/1000Base-T(X) RJ45 port indicator(1-5)
14. 10/100/1000Base-T(X) RJ45 port (LAN)

Note Before Mounting:

- Don't place or install the device in area near water or moisture, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before powering on the device, check the power specifications supported by the device to prevent device damage due to overvoltage.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

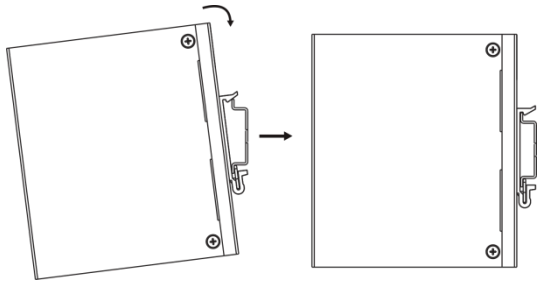
【Mounting Dimension】

Unit: mm



【DIN-Rail Mounting】

The product adopts 35mm standard DIN-Rail mounting which is suitable for most industrial scenes, mounting steps as follows:



Step 1 Check whether the DIN-Rail mounting kit that comes with the device is installed firmly.

Step 2 Insert the bottom of DIN-Rail mounting kit (one side with spring support) into DIN-Rail, and then insert the top into DIN-Rail.

Tips:

Insert a little to the bottom, lift upward and then insert to the top.

Step 3 Check and confirm the product is firmly installed on DIN-Rail, then mounting ends.

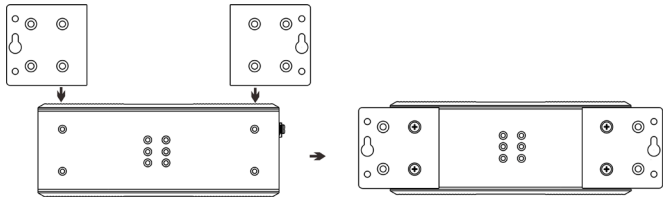
【Disassembling DIN-Rail】

Step 1 Power off the device.

Step 2 After lifting the device upward slightly, first shift out the top of DIN-Rail mounting kit, and then shift out the bottom of DIN-Rail, disassembling ends.

【Wall-mounted Device Mounting】

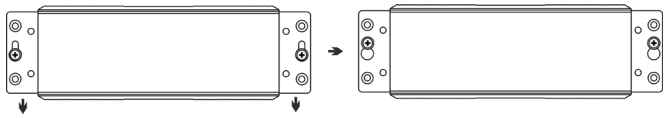
Step 1 Use M3 screws to install the left/right hanging board on the device backboard.



Step 2 On the wall of device mounting, place the device on the wall for reference or refer to the mounting dimension to mark two screw positions.

Step 3 Nail M4 screws on the wall and keep 2mm interspace reserved.

Step 4 Hang the device on two screws and slide downward, then tighten the screw to enhance stability, mounting ends.



【Wall-mounted Device Disassembling】

Step 1 Power off the device.

Step 2 Unscrew the screw on the wall about 2mm.

Step 3 Lift the device upward slightly; take out the device, disassembling ends.

Notice Before Powering on:

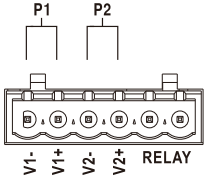
- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug and power on.
- Power OFF operation: First, remove the power plug, then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

【Power Supply Connection】

➢ **PoE power supply**

The WAN port of this device supports 48VDC PoE power receiving, which conforms to IEEE802.3af/at standard.

➢ **12~48VDC power supply**



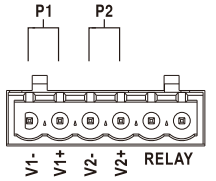
Support 2 DC power inputs, and adopt 6-pin 5.08mm pitch terminals, and the power supply occupies the left 4 pins. The power supply supports non-polarity, power supply range: 12～48VDC. The pin definitions of power supply are shown in the left figure.

【Console Port Connection】

This device provides 1 program debugging port based on RS232 serial port which can conduct device CLI command line management by connecting to PC. The interface adopts RJ45 port, the RJ45 pin definition is as follows:

Pin No.	2	3	5
Definition	TXD	RXD	GND

【Relay Connection】



The device supports 1 relay alarm information output, and adopts 6-pin 5.08mm pitch terminal blocks (relay occupies 2 pins on the right side). Relay terminals are a set of normally open contacts of the device alarm relay. They are open circuit in the state of normal non alarm, closed when any alarm information occurs. For example, they are closed when powered off, and send out alarm. The relay supports the output of DC power supply alarm information or network abnormality alarm. It can be connected to alarm light or alarm buzzer or other switching value collecting devices, which can timely inform operators when the alarm occurs.

Notes:

Relay are reserved and not open yet.

【DIP Switch Settings】

Provide 4 pins DIP switch for function settings, where "ON" is enable valid terminal.

The definitions of DIP switch are as follows:

DIP	Definition	Operation
1	Restore Factory Settings	Set the switch to ON, power on the device again, and then set it back after the device is started.
2-4	Reserved	—

【Antenna Connection】

The device provides 2 antennas, the antenna specifications are shown below:

Type	P/N	Gain (dBi)	Count (pcs)
2.4G/5G wireless	3005040108	3	2

【Checking LED Indicator】

The device provides LED indicators to monitor its operating status, which has simplified the overall troubleshooting process. The function of each LED is described in the table below:

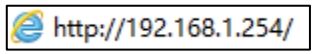
LED	Indicate	Description
RUN	ON	The device is powering on or the device is abnormal.
	Blinking	The device is running normally
	OFF	The device is powered off or the device is abnormal.
P1/2	ON	Power is connected and running normally
	OFF	Power supply is disconnected or running abnormally
ALM	ON	Set Switch1 to ON and the reset alarm will be sent out
	OFF	No reset alarm
2.4G	ON	2.4G wireless signal is on.
	Blinking	2.4G wireless signal is transmitting data
	OFF	2.4G wireless signal is running abnormally or turned off
5G	ON	5G wireless signal is on
	Blinking	5G wireless signal is transmitting data
	OFF	5G wireless signal is running abnormally or turned off
PoE	ON	PoE port is being powered on by other devices normally
	OFF	PoE port is disconnected
WAN/LAN	ON	The Ethernet interface has established an active network connection
	Blinking	The Ethernet interface is in a network activity state.
	OFF	The Ethernet interface has not established an active network connection.
▪▪▪	ON	The wireless link has established bridge and the signal is great
	Blinking	0.5Hz blinking, the established bridge signal is normal; 1Hz blinking, and the established bridge signal is weak
	OFF	The wireless link has not established bridge

【Logging in to WEB Interface】

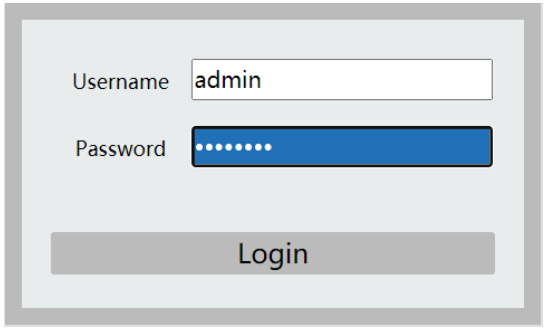
This device supports WEB management and configuration. Computer can access the device via device LAN port. The way of logging in to device's configuration interface via IE browser is shown as below:

Step 1 Configure the IP addresses of computer and the device to the same network segment, and the network between them can be mutually accessed

Step 2 Enter device's IP address in the address bar of the computer browser.



Step 3 Enter device's username and password in the login window as shown below.



Step 4 Click "Login" button to login to the WEB interface of the device.

Note:

- The default IP address of the device is "192.168.1.254".
- The default user name and password of the device are "admin".
- If the username or password is lost, user can restore it to factory settings via device DIP switch or management software; all modified configurations will be cleared after restoring to factory settings, so please backup configuration file in advance.
- Please refer to user manual for specific configuration method of logging in to WEB interface and other configurations about network management function.

【Specification】

Panel	
Gigabit RJ45 port (LAN)	4 10/100/1000Base-T(X) self-adaptive RJ45 LAN port, support automatic flow control, full/half duplex mode, MDI/MDI-X self-adaption
Gigabit PoE RJ45 port (LAN/WAN)	1 10/100/1000Base-T(X) self-adaptive RJ45 LAN/WAN port, supports automatic flow rate control, full/half duplex, MDI/MDI-X self-adaption; supports IEEE802.3af/at standard PoE power input

2.4G/5G	2 2.4/5G combined antenna interfaces, adopting RPSMA-K connector
Indicator	Running indicator, Alarm indicator, Power supply indicator, 2.4G indicator, 5G indicator, WAN indicator, LAN indicator, bridge signal strength indicator, PoE indicator
Radio Frequency	
802.11b/g/n/ax	2.412GHz~2.4835GHz
802.11a/ac/ax	5.18GHz~5.825GHz
RF power output	27dBm
Modulation scheme	DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
Receiving Sensitivity	
802.11b	-87dBm@1Mbps, -76dBm@11Mbps
802.11g/a	-82dBm@MCS0, -65dBm@MCS7
802.11n	-82dBm@MCS0, -64dBm@MCS7
802.11ac	-82dBm@MCS0, -57dBm@MCS9
802.11ax	-82dBm@MCS0, -52dBm@MCS11
Transmitting Power	
802.11b	24dBm@1Mbps, 20dBm@11Mbps
802.11g/a	24dBm@6Mbps, 20dBm@54Mbps
802.11n	24dBm@MCS0, 20dBm@MCS7
802.11ac	24dBm@MCS0, 20dBm@MCS9
802.11ax	24dBm@MCS0, 20dBm@MCS11
Power Supply	
PoE power supply	Gigabit PoE RJ45 port, supports IEEE802.3af/at standard, PoE 48VDC power input
DC power supply	12-48VDC, dual power input Power supply nonpolarity
Power Consumption	
Normal Temperature No-load	9.2w@12VDC, 8.3w@24VDC 8.2w@36VDC, 8.8w@48VDC
High temperature full load	21.6w@12VDC, 18.0w@24VDC 19.0w@36VDC, 18.7w@48VDC
High temperature full load	22.3w@12VDC, 19.0w@24VDC 18.7w@36VDC, 18.9w@48VDC
Working Environment	
Working temperature	-40~55℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP40

【Disposal of Waste Electrical and Electronic Equipment (WEEE 2012/19/EU)】

(Applicable in the EU-member states)

The crossed-out wheeled bin symbol on the equipment or its packaging indicates that the product, at the end of its service life, shall not be mixed with unsorted municipal waste but should be collected separately, in accordance with local laws and regulations.

A proper separate collection of end-of-life equipment for the subsequent recycling, treatment and environmentally compatible disposal, will help prevent potential damage to the environment and human health, facilitating the reuse, recycling and/or recovery of its component materials.

Private users should contact their vendor or municipal waste management service and ask for disposal information.

Professional users should contact their suppliers and check the terms of their selling agreement.

This product must not be disposed of with other commercial waste.

Users' cooperation in the correct disposal of this product will contribute to saving valuable resources and protecting the environment.