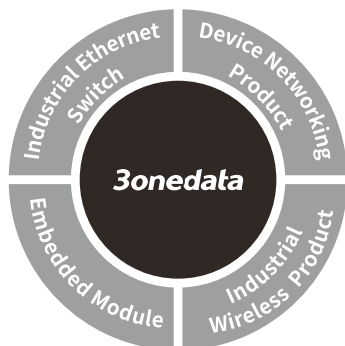


IAP2600S Series Industrial Dual-band Wireless AP Quick Installation Guide



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【Package Checklist】

Please check whether the package and accessories are intact while using the dual-band wireless AP for the first time.

1. Wireless AP x1
2. Pole/wall mounting attachment
3. PoE adapter
4. Warranty card
5. Certification

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

【Product Overview】

The product is a managed industrial dual-band wireless AP. Models as follows:

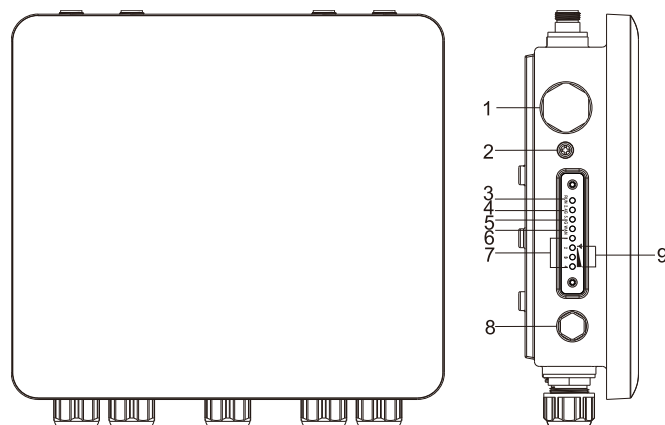
Model I. IAP2600S-4A25-5GT-PD (1 Gigabit PoE copper WAN port + 4 Gigabit copper LAN ports + 2 2.4G

antenna interfaces + 2 5.8G antenna interfaces + 48VDC POE power supply)

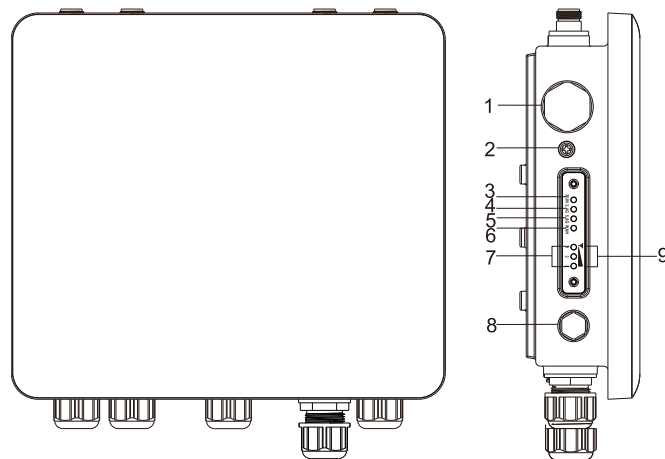
Model II. IAP2600S-4A25-1GC3GT-PD (1 Gigabit PoE Combo WAN port + 3 Gigabit copper LAN ports + 2 2.4G antenna interfaces + 2 5.8G antenna interfaces + 48VDC POE power supply)

【Panel Design】

➤ Top view and front view

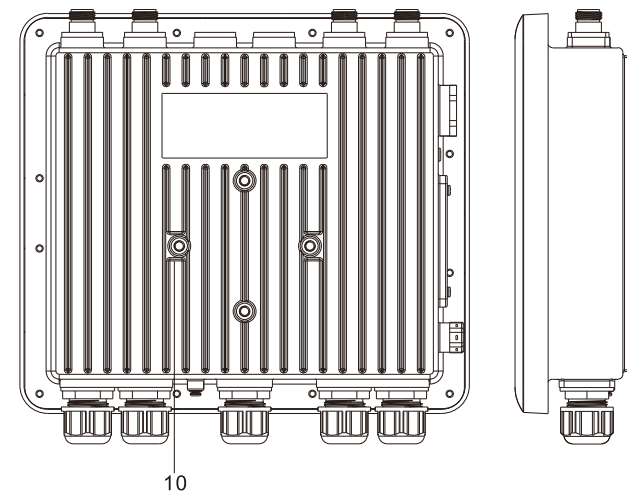


Model I

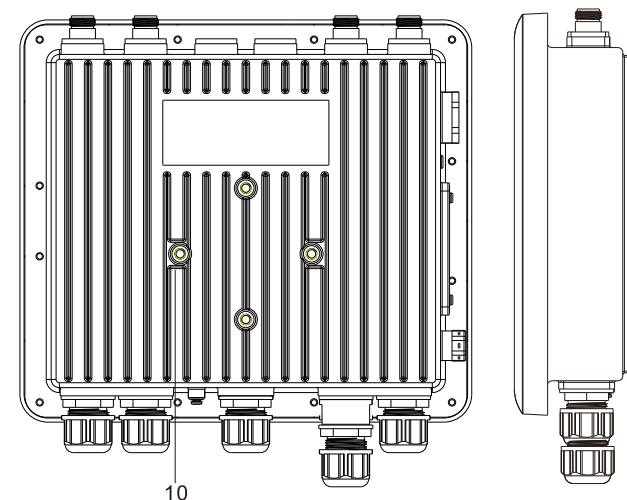


Model II

➤ Bottom view and rear view

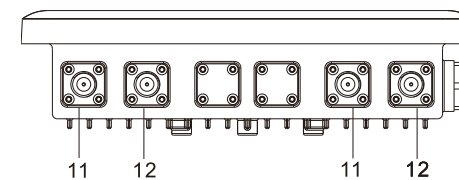


Model I



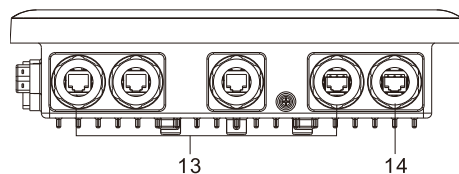
Model II

➤ Left view

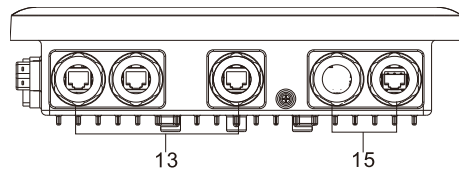


Model I

➤ Right view



Model I

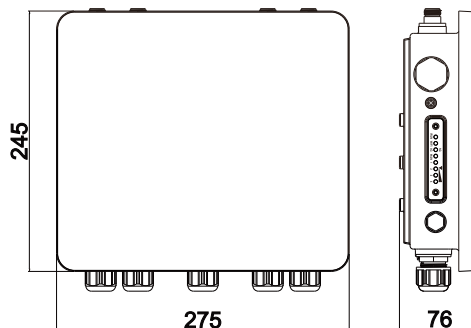


Model II

1. Console port
2. Reset button
3. Running indicator
4. 2.4G signal indicator
5. 5.8G signal indicator
6. WAN indicator
7. LAN indicator 1-3/4 (Green)
8. Breather valve
9. Signal intensity indicator 2-4 or 1-3 (Blue)
10. Wall-mounting location hole
11. 5.8G omnidirectional antenna interface
12. 2.4G omnidirectional antenna interface
13. 10/100/1000Base-T(X) copper LAN port
14. 10/100/1000Base-T(X) copper WAN port (PoE input)
15. 10/100/1000Base-T(X) Combo WAN port (PoE input)

【Mounting Dimension】

Unit: mm

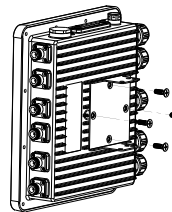


Notice before mounting:

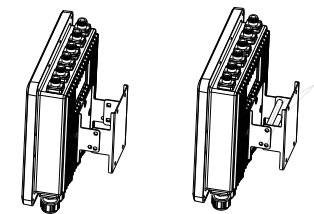
- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

【Pole-mounted Device Mounting】

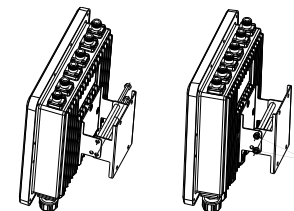
Step 1. Use 4 M6 screws to install the clamp board as shown in the figure below on the device backboard.



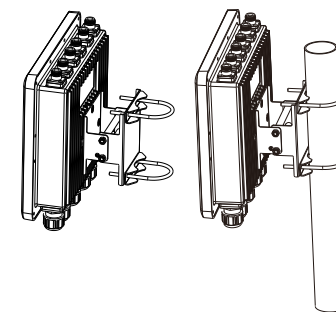
Step 2. Align the other clamp board with the hole center line of the installed clamp board, then place the support pipe to align the hole center of the two clamp boards. When the two clamps are docking, it can choose 15° or 90° installation angle.



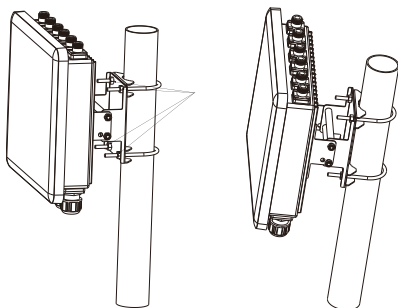
Step 3. Pass the M6 long screw through the hole where the clamp boards are docked and the support pipe, and tighten the corresponding M6 nut.



Step 4. Install U-shaped derrick screws and derrick teeth on the clamp board, and put the derrick with a diameter of $\Phi 40\text{mm}$ - $\Phi 50\text{mm}$ in a U-shaped slot, as shown in the figure below.



Step 5. Adjust device position and tighten the derrick nut to fix the position of the device on the derrick. Installation ends.

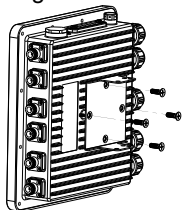


【Pole-mounted Device Disassembling】

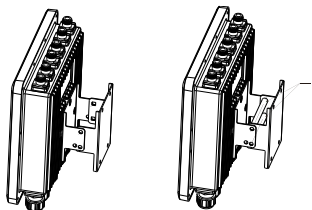
- Step 1. Device power off.
- Step 2. Stabilize the device, unscrew the U-shaped derrick nut and take out the U-shaped derrick screw.
- Step 3. Take out the device, disassembling ends.

【Wall-mounted Device Mounting】

- Step 1. Use 4 M6 screws to install the clamp board as shown in the figure below on the device backboard.

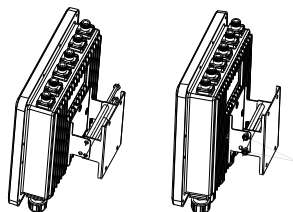


- Step 2. Align the other clamp board with the hole center line of the installed clamp board, then place the support pipe to align the hole center of the two clamp boards. When the two clamps are docking, it can choose 15° or 90° installation angle.

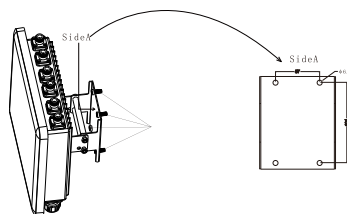


- Step 3. Pass the M6 long screw through the hole where the clamp boards are docked and the support pipe, and

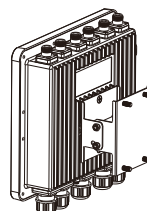
tighten the corresponding M6 nut.



- Step 4. Pass the M6 screw through the location hole of the clamp board. The size of location hole of the clamp board is as shown below.



- Step 5. Install the device on the wall and tighten the screw. Installation ends.



【Wall-mounted Device Disassembling】

- Step 1. Device power off.
- Step 2. Hold the device steadily and screw out the screw on the wall.
- Step 3. Take out the device, disassembling ends.

【Power Supply Connection】

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

【Reset Button Setting】




This device provides 1 reset button, press the button for 1-2S then release it to reboot the device; press the button for 5S then release it to restore factory defaults.

【Checking LED Indicator】

The device provides LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the function of each LED is described in the table as below:

LED	Indicate	Description
RUN	ON	The device is running abnormally
	OFF	The device is powered off, being powered on or the device is abnormal.
	Blinking	The device is running normally
5.8G	ON	5.8G wireless signal is running normally
	Blinking	5.8G wireless signal is transmitting data. The blinking frequency shows the rate of data transmission
	OFF	5.8G wireless signal is running abnormally or turned off
2.4G	ON	2.4G wireless signal is running normally
	Blinking	2.4G wireless signal is transmitting data. The blinking frequency shows the rate of data transmission
	OFF	2.4G wireless signal is running abnormally or turned off
WAN	ON	WAN port has established valid network connection
	Blinking	WAN port is in network active status
	OFF	WAN port hasn't established valid network connection
1-3/4 (Green)	ON	LAN port has established valid network connection
	Blinking	LAN port is in network active status
	OFF	LAN port hasn't established valid

LED	Indicate	Description
		network connection
 (Blue)	○ ○ ○	<ul style="list-style-type: none"> Under bridge or client mode, all indicators are off, it represents that opposite terminal wireless signal is weak or without signal In dual-link mode, if the indicators are off, it means the two links are disconnected
	● ○ ○	<ul style="list-style-type: none"> Under the bridge or client mode, it represents that opposite terminal wireless signal is weak; In dual-link mode, it means that the first link has established connection and the second link has no connection.
	○ ● ○	In dual-link mode, it means that the second link has established connection and the first link has no connection.
	● ● ○	<ul style="list-style-type: none"> Under the bridge or client mode, it represents opposite terminal wireless signal intensity is general; In dual-link mode, it means the two links has established connection.
	● ● ●	Under the bridge or client mode, all indicators are on, it represents that opposite terminal wireless signal is strong



Notes:

- In dual-link mode, the definition of indicator signal

strength is as follows:

- Always on: wireless signal is strong;
 - 0.5/S blink once: wireless signal is normal;
 - 1.5/S blink once: wireless signal is weak;
- In AP and routing mode, indicators 2-4 are LAN indicators in green; In bridge, client, and dual-link mode, indicators 2-4 are signal strength indicators shown in blue.

【Specification】

Standard	
Standard	IEEE802.3, IEEE802.3u, IEEE802.11b/g/n/a/ac, IEEE802.11i, IEEE802.11r, IEEE802.3af/at
Protocol	TCP/IP, DHCP, PPPOE, ICMP, ARP, HTTP
Interface	
WAN	<ul style="list-style-type: none"> 1 10/100/1000Base-T(X) RJ45port, support POE 48VDC input power supply; 1 Gigabit Combo port, supports dual-fiber LC flange interface or 10/100/1000 Base-T(X) RJ45 port, and copper port supports POE 48VDC power supply input;
LAN	3/4 10/100/1000Base-T(X) RJ45 ports
Antenna	2 2.4G N-K type (Female) ports 2 5.8G N-K type (Female) ports
Transmission Speed	
802.11n	6.5~300Mbps
802.11b	11/5.5/2/1Mbps
802.11g/a	54/48/36/24/18/12/9/6Mbps
802.11ac	65Mbps~867Mbps
Radio Frequency	

Channel	802.11b/g/n: 2.412GHz~2.4835GHz 802.11ac/n/a: 5.18GHz-5.825GHz
RF power output	20dBm
Modulation scheme	DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM
Receiving sensitivity	
802.11n_HT40	-82dBm@MCS0, -64dBm@MCS7
802.11n_HT20	-85dBm@MCS0, -67dBm@MCS7
802.11g/a	-91dBm@6Mbps, -72dBm@54Mbps
802.11b	-93dBm@1Mbps, -87dBm@11Mbps
802.11ac	-84dBm@MCS0, -59dBm@MCS9
Transmitting power	
802.11n_HT40	20dBm@MCS0, 20dBm@MCS7
802.11n_HT20	20dBm@MCS0, 20dBm@MCS7
802.11g/a	20dBm@6Mbps, 20dBm@54Mbps
802.11b	20dBm@1Mbps, 20dBm@11Mbps
802.11ac	20dBm@MCS0, 20dBm@MCS9
Power Supply	
Input power supply	POE 48VDC: support IEEE802.3af/at standard
Indicator	5.8G signal indicator, 2.4G signal indicator, WAN indicator, LAN indicator, running indicator, signal strength indicator
Power Consumption	
No-load	5.4W@48VDC
Full-load	10.2W@48VDC
Working Environment	

Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP68(metal shell)