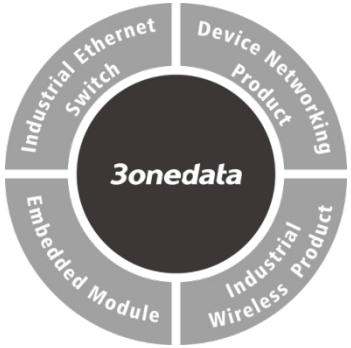
IAP3600S-2225-2GT-PDP12_48 Industrial Outdoor Dual-band Wi-Fi6 Wireless AP Quick Installation Guide



3onedata Co., Ltd.

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Xili, Nanshan District, Shenzhen

Website: www.3onedata.com

Tel: +86 0755-26702688

Fax: +86 0755-26703485

【Package Checklist】

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

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

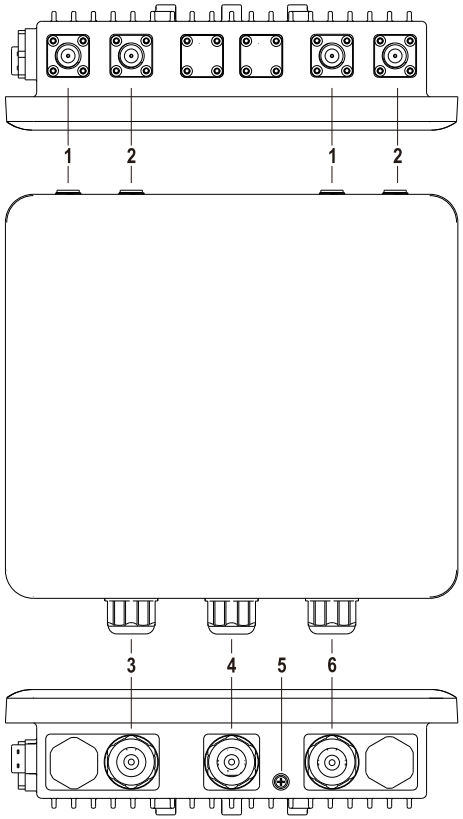
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

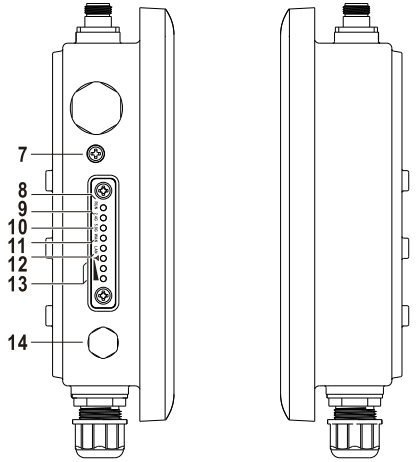
The product is a 2-port Gigabit industrial outdoor dual-band Wi-Fi6 wireless AP. The mode is: IAP3600S-2225-2GT-PDP12_48 (2 2.4G antenna interfaces + 2 5G antenna interfaces + 1 Gigabit RJ45 port (LAN) + 1 Gigabit PoE RJ45 port (LAN/WAN), 1 12~48VDC power input).

【Panel Design】

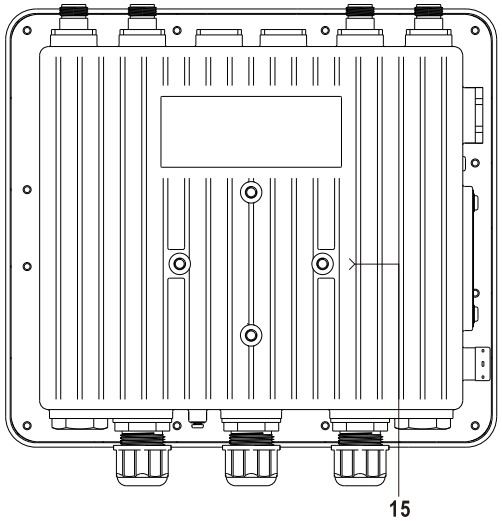
➢ **Top view, main view and bottom view**



➢ **Left view and right view**



➢ **Rear View**



1. 2.4G antenna interface
2. 5G antenna interface
3. 10/100/1000Base-T(X) RJ45 port (LAN)
4. Terminal block of 12~48VDC power supply input
5. Grounding screw
6. 10/100/1000Base-T(X) PoE RJ45 port (LAN/WAN)
7. RESET button
8. Running indicator (RUN)
9. 2.4G wireless signal indicator (2.4G)
10. 5G wireless signal indicator (5G)

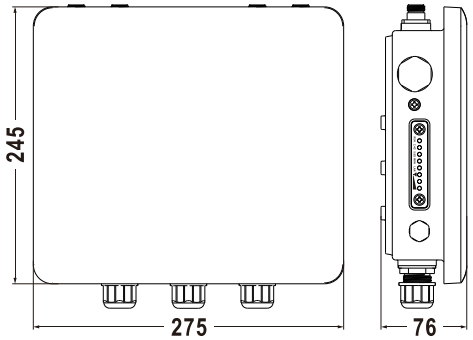
11. WAN port indicator (WAN)
12. LAN port indicator (LAN)
13. Bridge signal strength indicator ( )
14. Breather valve
15. Location hole

Note 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.

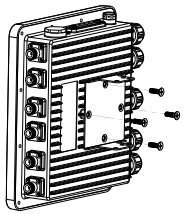
【Mounting Dimension】

Unit: mm

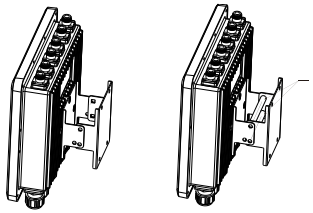


【Pole-mounted Device Mounting】

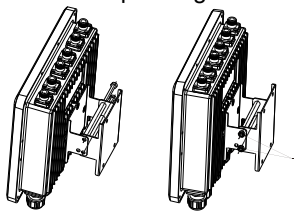
Step 1 Use 4 M6 screws to install the clamp board as shown in the figure below on the device backboard.



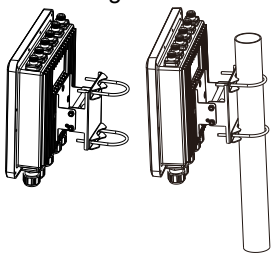
Step 2 Align the other clamp board with the hole center line of the installed clamp board, then place the support pipe to align the hole center of the two clamp boards. When the two clamps are docking, you can choose 15° or 90° installation angle.



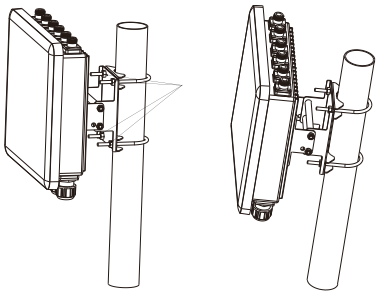
Step 3 Pass the M6 long screw through the hole where the clamp boards are docked and the support pipe, and tighten the corresponding M6 nut.



Step 4 Install U-shaped derrick screws and derrick teeth on the clamp board, and put the derrick with a diameter of Φ40 mm - Φ50mm in an 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】

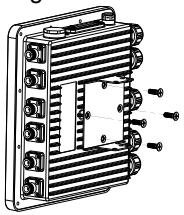
Step 1 Power off the device.

Step 2 Stabilize the device, unscrew the U-shaped derrick nut and take out the U-shaped derrick screw.

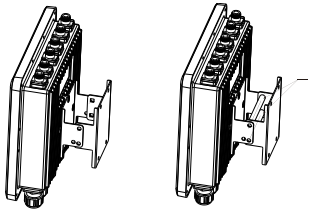
Step 3 Take out the device, disassembling ends.

【Wall-mounted Device Mounting】

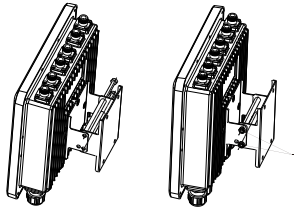
Step 1 Use 4 M6 screws to install the clamp board as shown in the figure below on the device backboard.



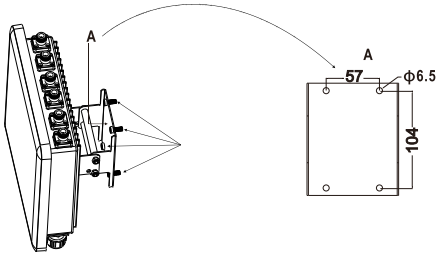
Step 2 Align the other clamp board with the hole center line of the installed clamp board, then place the support pipe to align the hole center of the two clamp boards. When the two clamps are docking, you can choose 15° or 90° installation angle.



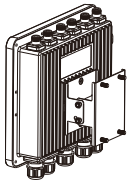
Step 3 Pass the M6 long screw through the hole where the clamp boards are docked and the support pipe, and tighten the corresponding M6 nut.



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 Power off the device.

Step 2 Hold the device steadily and screw out the screw in the wall.

Step 3 Take out the device, disassembling ends.

Notice Before Powering on:

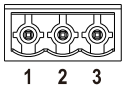
- Power ON operation: First insert the power supply terminal block into the device power supply interface, then plug the power supply plug contact and power on.
- Power OFF operation: First, remove the power plug, then remove the wiring section of terminal block. Please pay attention to the above operation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



This device provides 1 DC power input which is 3-pin 5.08mm pitch terminal block with waterproof plug, the power supply supports non-polarity. Power supply range: 12～48VDC. The pin definitions of power supply are shown as follows:

PIN	1	2	3
Description	V-	FG	V+

【Reset Button Setting】

The device provides 1 RESET button that can be used to reboot the device and restore factory defaults. Press the RESET button for 1~2s and release it, and the device will restart automatically; Press and hold the RESET button for 5s and release it, and the device will automatically restore the factory defaults.

【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:

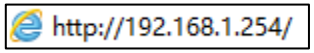
LED	Indicate	Description
RUN	ON	The device is powering on or the device is abnormal.
	Blinking	The device is running normally
	OFF	The device is powered off or the device is abnormal.
2.4G	ON	2.4G wireless signal is on.
	Blinking	2.4G wireless signal is transmitting data
	OFF	2.4G wireless signal is 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
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.
	○ ○ ○	The indicators are all off, indicating that no bridge has been established.
	☼ ○ ○	One indicator is on. It means 2.4G/5G signal at the opposite end is weak
	☼ ☼ ○	Two indicators are on. It means 2.4G/5G signal at the opposite end is normal
	☼ ☼ ☼	All indicators are on. It means 2.4G/5G signal at the opposite end is strong

【Logging in to WEB Interface】

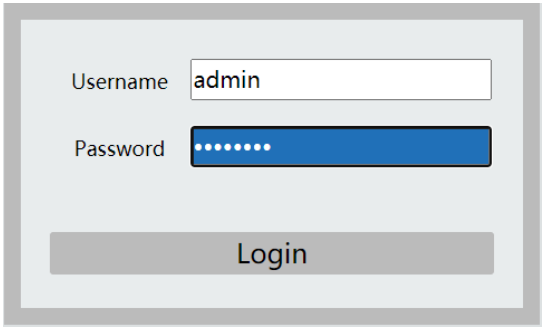
This device supports WEB management and configuration. Computer can access the device via device LAN port. The way of logging in to device's configuration interface via IE browser is shown as below:

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 user name or password is lost, user can restore it to factory settings via RESET button 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）	1 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	Two 2.4G antenna interfaces, N-K(Female)
5G	Two 5G antenna interfaces, N-K(Female)
Indicator	Running indicator, 2.4G indicator, 5.8G indicator, WLAN indicator, LAN indicator, bridge signal strength indicator
Radio Frequency	
802.11b/g/n/ax	2.412GHz~2.4835GHz
802.11a/n/ac/ax	5.18GHz~5.825GHz
RF power output	20dBm
Modulation system	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	
Input power supply	● Gigabit PoE RJ45 port: supports IEEE802.3af/at standard, PoE 48VDC power input ● Power supply terminal: 12~48VDC power input, support non-polarity, using 3-pin 5.08mm pitch terminal blocks with waterproof plug
Power Consumption	
No-load	5.7W@24VDC
Full-load	7.9W@24VDC (high temperature≤8.6W)
Working Environment	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP68