IAP3600S-2225-2GT-PDP12_48

Wall Mounting or Pole Mounting
Industrial Outdoor Dual-band Wi-Fi6 Wireless AP

- Support two 2.4G antenna interfaces, two 5G antenna interfaces, 1 Gigabit RJ45 port (LAN) and 1 Gigabit PoE RJ45 port (LAN/WAN)
- Support Wi-Fi6 (802.11ax), which can improve system capacity and concurrent access, and reduce transmission delay.
- Support multiple network modes such as routing, AP, bridge and client mode.
- Support IEEE802.3at/af PoE power supply input and 12~48VDC power supply input
- Support -40~75℃ wide operating temperature range

Industrial Grade

2.4G 5G Wi-Fi6

+75℃ -40℃

PoE

ROBUST INDUSTRIAL CONNECTION

Introduction

IAP3600S-2225-2GT-PDP12_48 is 2-port Gigabit industrial outdoor dual-band Wi-Fi6 wireless AP, the PoE power supply conforms to IEEE802.3af/at protocol standard. This product provides 2.4G antenna interface, 5G antenna interface, Gigabit RJ45 port (LAN) and Gigabit PoE RJ45 port (LAN/WAN) and other interfaces, and supports wall mounting or pole mounting, which can meet the needs of different application sites.

The network management system supports multiple work modes: routing, AP, bridge and client. Support IEEE802.11a/b/g/n/ac/ax wireless technology, the wireless transmission rate of the whole device is up to 1774.5Mbps; The device supports wireless encryption methods such as WPA/WPA2/WPA3, and has various security policies such as SSID hiding, wireless user isolation, IP address filtering, MAC filtering, Port forwarding, Port redirection, ARP binding, DMZ setting, etc. Support virtual AP, that is, one AP device supports multiple SSIDs.

RESET button can reboot the device and restore factory defaults. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. All components are industrial grade, and the protection grade is IP68, which can adapt to the harsh outdoor environment. It can be widely used in rail transit, security, smart city, integrated pipe gallery, production automation, smart lamp pole and other industries.

Features and Benefits

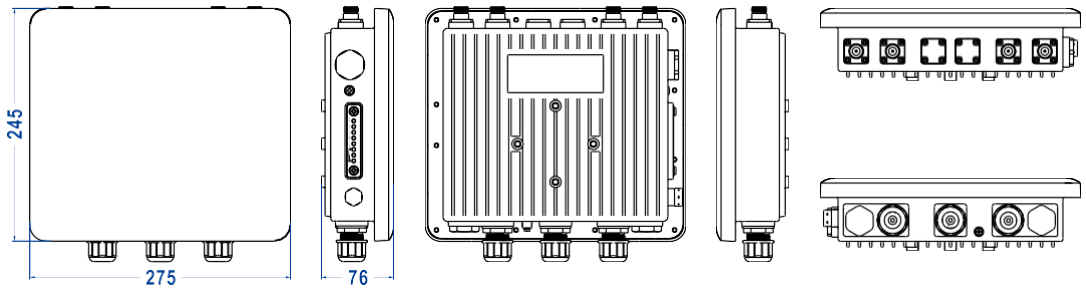
- Support routing mode, AP mode, bridge mode, client mode, support connection methods like WDS and universal bridge
- The client mode supports wireless NAT connection, and the wireless network can connect with the external network through PPPoE, static IP and DHCP dynamic acquisition, and implement route switch
- Support high-speed wireless connection, the transmission speed of 2.4GHz can reach up to 573.5Mbps, the transmission speed of 5GHz can reach up to 1201Mbps
- Support 2×2MIMO, two 5G RF antenna interfaces and two 2.4G RF antenna interfaces
- Support wireless probe, it can realize personal positioning function with location engine
- Support SNMP network management and Trap alarm
- Support multiple SSID settings and provide SSID hiding function
- Support WPA/WPA2/WPA3 wireless encryption method of both personal edition and enterprise edition and TKIP/AES encryption algorithm
- AC management can specify AC device information to realize directional management
- Roaming proxy can realize roaming proxy host across network segments, effectively avoiding the data interruption caused by the failure to update the forwarding list of

upper-level device in time

- Supports IP filtering, MAC filtering, port forwarding, ARP binding, DMZ isolation area and other firewall functions
- Support wireless user management and user event, and support blacklist and whitelist filtering rules, wireless user online/offline notification
- WMM can achieve better transmission quality of voice, video and other applications in wireless networks
- Network detection can realize wireless network diagnosis and specific network recovery operations

Dimension

Unit: mm



Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE802.11a/b/g/n/ac/ax for WLAN IEEE802.11i for wireless security IEEE802.11r for fast roaming IEEE802.11e for WWM IEEE802.3af for PoE IEEE802.3at for PoE+
Working mode	Routing mode (WAN: PPPoE dial-up, static IP, DHCP dynamic IP acquisition) AP mode (LAN: static IP, DHCP dynamically acquiring IP) Bridge mode (connection: WDS bridge, universal bridge; point-to-point, roaming) Client mode (connection: WDS bridge, universal bridge, wireless NAT; point-to-point, roaming)

WLAN	WAP/WAP2/WAP3 personal/enterprise edition encryption mode, hidden wireless SSID, wireless user isolation, wireless transmission power adjustment, maximum user limit, packet segmentation and RTS threshold, China/US wireless channel, WMM
Management	Intranet settings, extranet settings, wireless settings, AC management, SNMP management, roaming agent, user settings, system upgrade, timed restart, profile management, system log, wireless user list, and Wi-Fi real-time traffic monitoring
Security policy	Wireless user black/white list, wireless user event notice, IP filtering, MAC filtering, port forwarding, port redirection, ARP binding, DMZ setting
Routing/switching	Static routing (routing mode, wireless NAT)
Location Service	Wireless probe
Troubleshooting	Network Detection
Time Management	NTP Client
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 methods: DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM, 256-QAM, 1024QAM
Receiving Sensitivity	802.11b: -87dBm@1Mbps, -76dBm@11Mbps 802.11g/a: -82dBm@6Mbps, -65dBm@54Mbps 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, 20Bm@MCS7 802.11ac: 24dBm@MCS0, 20Bm@MCS9 802.11ax: 24dBm@MCS0, 20Bm@MCS11
Interface	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 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 Antenna interface: two 2.4G antenna interfaces, N-K(Female) Two 5G antenna interfaces, N-K(Female)
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
Indicator	Running indicator, 2.4G indicator, 5.8G indicator, WLAN indicator, LAN indicator, bridge signal strength indicator
Power Consumption	No-load: 5.7W@24VDC Full-load: 7.9W@24VDC (high temperature≤8.6W)
Working Environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%～95% (no condensation)
Physical Characteristic	Housing: IP68 protection grade Installation: Wall mounting or pole mounting Dimension (W x H x D): 275mm×245mm×76mm
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 4 ● Air discharge:± 15kV ● Contact discharge: ±8kV IEC 61000-4-4 (EFT, electrical fast transient), Level 4 ● Power supply: ±4kV ● Ethernet port: ±2kV IEC 61000-4-5 (Surge), Level 4 ● Power supply: common mode±4kV, differential mode±2kV ● Ethernet interface: ±4kV Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6

Authentication	CE, FCC, RoHS
Warranty	5 years

Ordering Information

Available Models	Antenna Interface		Gigabit RJ45		Power Input
	2.4G	5G	LAN	PoE LAN/WAN	
IAP3600S-2225-2GT-PDP12_48	2	2	1	1	PoE 48VDC or 12~48VDC

Optional Accessories

Product Type	Product Number	Remark
2.4GHz(5dBi) omnidirectional fiberglass antenna, N-J type×1	3005040017	Optional
5.8GHz(5dBi) omnidirectional fiberglass antenna, N-J type×1	3005040019	Optional
2.4GHz(8dBi) omnidirectional fiberglass antenna, N-J type×1	3005040012	Optional
5.8GHz(8dBi) omnidirectional fiberglass antenna, N-J type×1	3005040013	Optional
2.4GHz(14dBi) directional panel antenna, N-K type×1	3005040010	Optional
5.8GHz(14dBi) directional panel antenna, N-K type×1	3005040011	Optional
5M outdoor waterproof WLAN RF cable, NJ-NK	3005040008	Optional
5M outdoor waterproof WLAN RF cable, NJ-NJ	3005040014	Optional