



IAP2600 Series

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

- Support 1 gigabit PoE WAN, 1 gigabit PoE LAN, 2 2.4G antenna interfaces, 2 5.8G antenna interfaces and 1 12~48VDC power supply (optional)
- Support 2.4GHz and 5.8GHz dual bands
- WAN/LAN port supports 48VDC PoE power input
- Support -40 ~ 75°C wide operating temperature range



2.4G 5G

Introduction

IAP2600 series are gigabit industrial outdoor dual-band wireless AP. This series provide 1 gigabit PoE WAN, 2 2.4G antenna interfaces, 2 5.8G antenna interfaces and 1 12~48VDC power supply (optional). They also adopt wall mounting or pole mounting, which can meet the requirements of different application scenes.

The network management system supports four operating modes including Route, AP, Bridge and Client, and IEEE802.11b/g/n/a/ac wireless technology. The highest rate of complete machine could reach 1167Mbps and meet the needs of quick data transmission. The device supports wireless encryption methods like WEP SHARED, WPA2-PSK etc. It also possesses SSID concealing, wireless user isolation, MAC address filtering, ARP binding, DMZ setting and other security strategies. Supports virtual AP, that is, an AP device supports multiple SSID; supports fast roaming, that is, in the WLAN (Wireless Local Area Network) constituted by multiple AP, user can achieve fast roaming without conducting the switching operation.

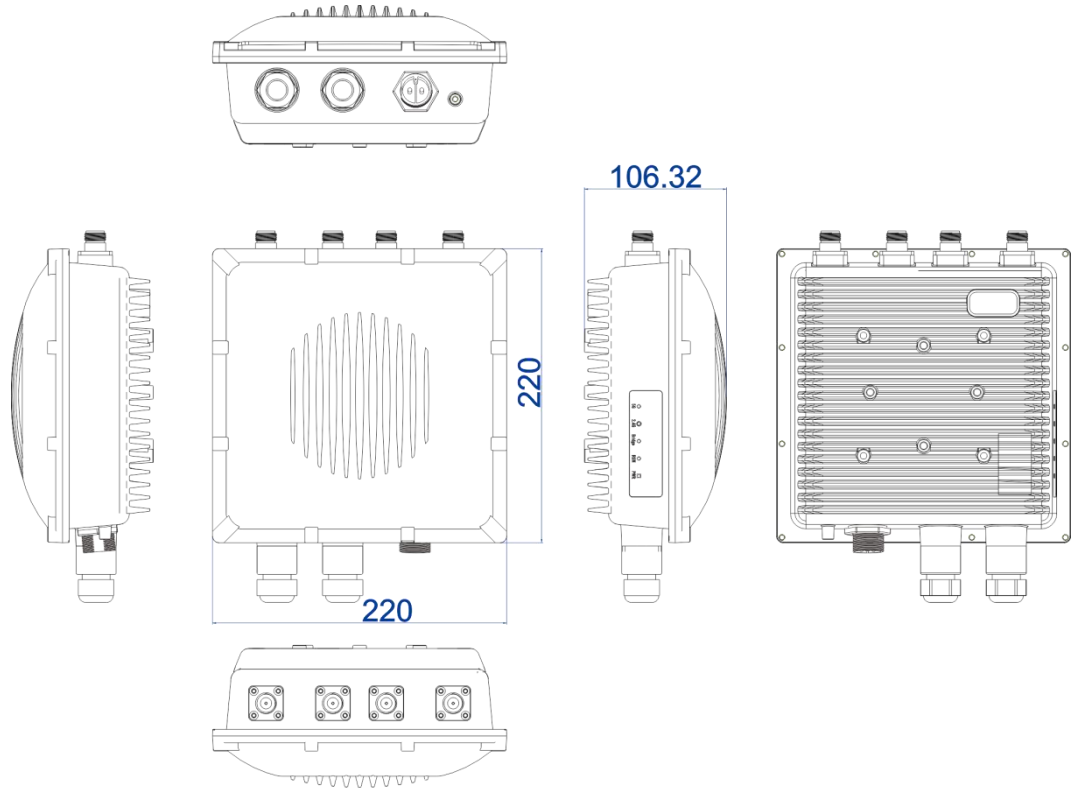
Hardware adopts fanless, low power consumption, and industrial grade design. IP67 protection and industrial grade components ensure the high reliability of the product which can suit for the harsh outdoor environment. Its -40 ~ 75°C wide operating temperature can meet all demands of industrial scene.

Features and Benefits

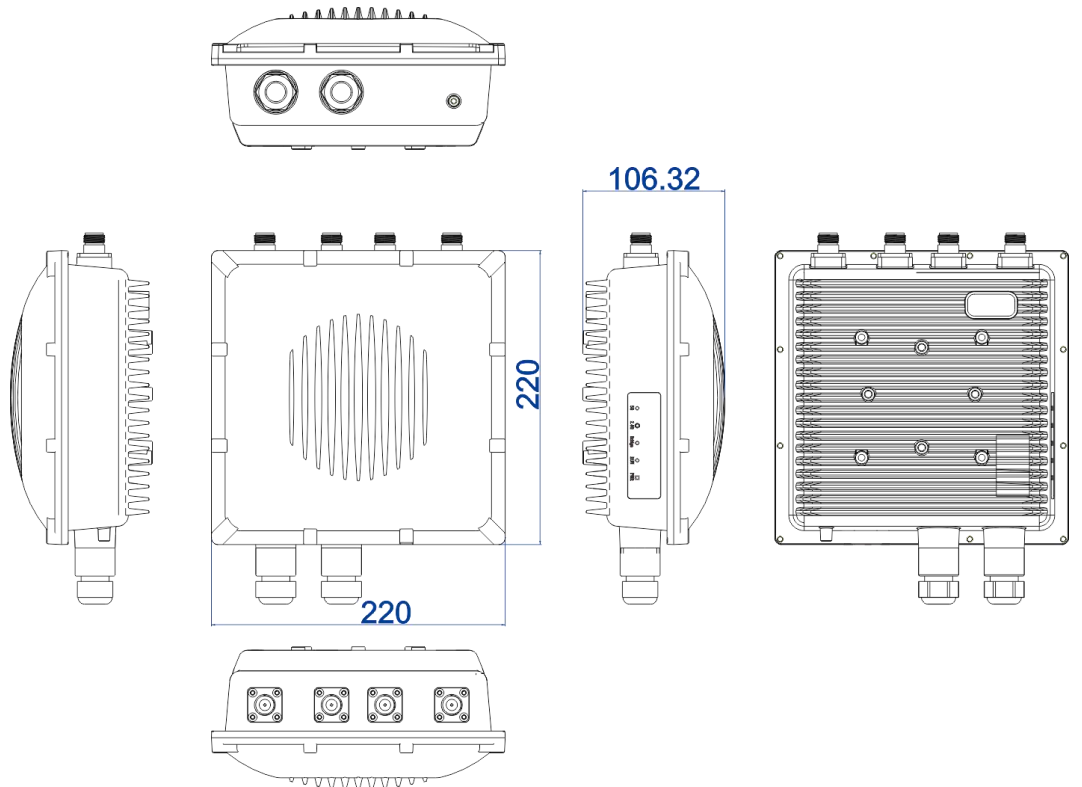
- ⊙ Support four operating modes: Route, AP, Bridge and Client
- ⊙ Support high-speed wireless connection, 2.4GHz transmission speed could reach 300Mbps, 5.8GHz could reach 867Mbps
- ⊙ Support dual-band 2×2MIMO and 4 dual-RF omnidirectional antennas
- ⊙ Support simultaneous connection of 100 clients
- ⊙ Support multiple AP fast roaming technology, switching time is less than 50ms
- ⊙ Support wireless probe, which can achieve personal locating function matching with location engine
- ⊙ Support switching function of SSID broadcast
- ⊙ Support multiple SSID setting and provides SSID concealing function
- ⊙ Support port forwarding, ARP binding, DMZ isolation area and other firewall functions
- ⊙ Support WEP/WPA/WPA2 authentication function
- ⊙ Support hardware watchdog, which ensures the reliability of the system
- ⊙ Support wireless user management and flow monitoring
- ⊙ Support -40~75°C wide operating temperature range
- ⊙ Industrial grade 4 design, support power supply and port isolation protection
- ⊙ Great anti-jamming and defense capability, suit for any harsh environments

Dimension

Unit:mm



IAP2600-4A25-PDP12_48



IAP2600-4A25-PD

Specification

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE802.11b/g/n/a/ac for WLAN IEEE802.11i for wireless security IEEE802.11r for fast roaming IEEE802.3af/at for PoE
Operating Mode	Route, AP, bridge, client
Network Settings	Intranet setting, outer network setting, wireless setting, roaming setting, wireless probe
Firewall (route mode)	IP filtering, MAC filtering, URL filtering, port forwarding, ARP binding, DMZ setting
Radio Frequency	802.11b/g/n: 2.412GHz~2.4835GHz 802.11ac/n/a: 5.18GHz~5.825GHz RF power output: 20dBm Modulation methods: DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM
Receiving Sensitivity	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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
Interface	WAN port: 1 10/100/1000Base-T(X) RJ45port, supports POE 48VDC input power supply LAN port: 1 10/100/1000Base-T(X) RJ45 port, supports PoE 48VDC power supply input Antenna: 2 2.4G N-type (Female) ports 2 5.8G N-type (Female) ports
Power Requirement	POE 48VDC: support IEEE802.3af/at standard 12~48VDC (optional): support non-polarity, anti-reverse connection and 2A overcurrent protection

Indicator	5.8G signal indicator, 2.4G signal indicator, network bridge indicator, running indicator, power supply indicator
Power Consumption	No-load: < 4.51W@12VDC Full-load: < 7.90W@12VDC
Environmental Limit	Operating temperature: -40~75°C Storage temperature: -40~85°C Relative humidity: 5% ~ 95%(no condensation)
Physical Characteristic	Housing: IP67 protection, metal Installation: Wall mounting or pole mounting Weight: 3.19KG Dimension (L × W × H): 220mm×220mm×106.32mm
Industrial Standard	IEC61000-4-2 (ESD, electronic static discharge), Level 4 <ul style="list-style-type: none"> ● Air discharge: ±15kV ● Contact discharge: ±8kV IEC61000-4-4 (EFT, electrical fast transient), Level 4 <ul style="list-style-type: none"> ● Power supply: ±4kV ● Signal: ±2kV IEC61000-4-5 (Surge), Level 4 <ul style="list-style-type: none"> ● 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
Certification	CE, FCC, RoHS
Warranty	5 years



Ordering Information

Available Models	Gigabit PoE WAN	Gigabit PoE LAN	2.4G Antenna Interface	5.8G Antenna Interface	Power Supply Range
IAP2600-4A25-PDP12_48	1	1	2	2	PoE 48VDC or 12~48VDC
IAP2600-4A25-PD	1	1	2	2	PoE 48VDC

Optional Accessories

Product Type	Product Number	Comment
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



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