Industrial Outdoor
Dual-band Wireless AP

3onedata
三旺通信

NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

IAP2600S series are Gigabit industrial outdoor dual-band wireless AP. This series provides two products, which support 1 Gigabit PoE copper WAN port or 1 Gigabit PoE Combo WAN port, 3/4 Gigabit copper LAN ports, 2 2.4G antenna interfaces and 2 5.8G antenna interfaces, and adopt wall-mounted or pole-holding installation mode, which can meet the needs of different application sites.

The network management system supports five operating modes including Route, AP, Bridge, Client and Dual-link, 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 WPA, WPA2, WPA3,etc. It also possesses SSID concealing, wireless user isolation, MAC address filtering, ARP binding, DMZ setting and other security strategies. Support virtual AP, that is, an AP device supports multiple SSID; supports single-link fast roaming and dual-link seamless roaming,that is, in the WLAN (Wireless Local Area Network) constituted by multiple AP, user can achieve fast roaming without conducting the switching operation.

RESET button can realize device reboot and one-key factory default restoration. 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.
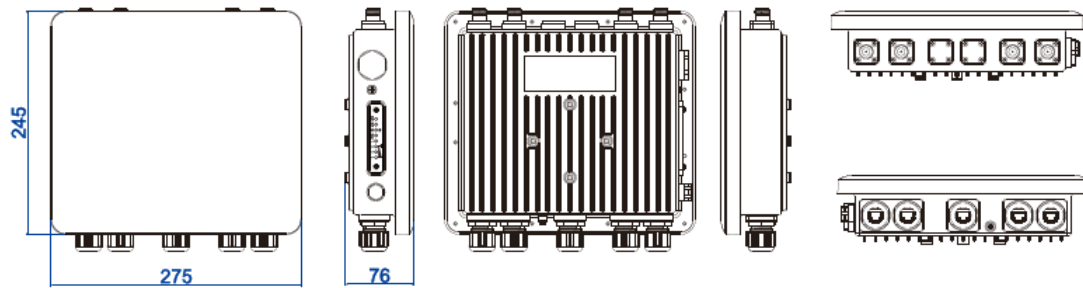
Features and Benefits

- Support work modes including route, AP, network bridge, client and dual-link;
- Support high-speed wireless connection, 2.4GHz transmission speed could reach 300Mbps, 5.8GHz could reach 867Mbps
- Support 2×2MIMO and 4 dual-RF omnidirectional antennas;
- Support simultaneous connection of 100 clients
- Support 802.11r-based single-link fast roaming and dual-link seamless roaming technology;
- Support WPRP and WDRP, improving the stability of wireless communication;
- Support wireless probe, it can realize personal positioning function with location engine;
- Support switching function of SSID broadcast
- Support multiple SSID settings and provide SSID hiding function
- Support multiple firewall functions, including port forwarding, ARP binding, DMZ isolation area etc.
- Support AC Management, SNMP and QoS function;
- Support WPA/ WPA2/WPA3 function
- Support hardware watchdog, which ensures the reliability of the system
- Support wireless user management and flow monitoring
- -40~75°C large range operating temperature
- Industrial grade 4 design, support power supply and port isolation protection
- Strong anti-interference ability and high defensiveness, which can adapt to all kinds of severe environments easily
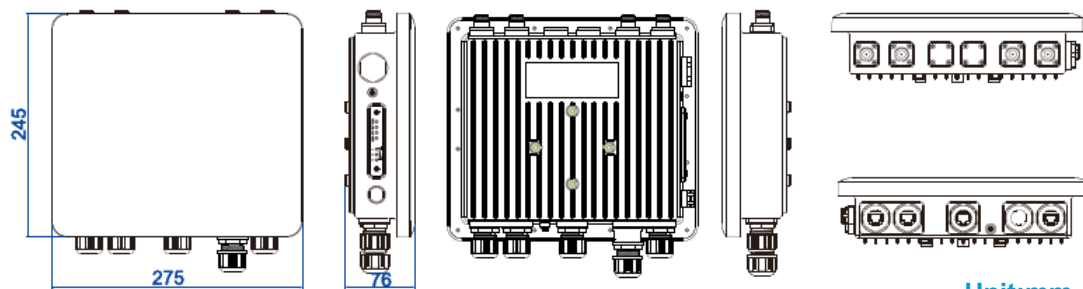
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Dimension

IAP2600S-4A25-5GT-PD

245
275
76

IAP2600S-4A25-1GC3GT-PD

245
275
76

Unit:mm

Specifications

Standard & Protocol	IEEE 802.3 for 10Base-T IEEE802.3u 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
Working Mode	Route, AP, bridge, client, dual-link
Network Setting	Intranet Settings, wireless Settings, Wireless Probe, AC Management, SNMP Management, QoS Management
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	• 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

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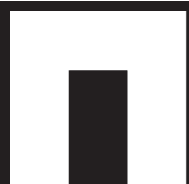**P: +61 2 4088 2790**
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Specifications continued

Interface	WAN port: • 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 port: 3/4 10/100/1000Base-T(X) RJ45 port Console port: CLI command management port (RS-232), RJ45 Antenna: 2 2.4G N-K type (Female) ports; 2 5.8G N-K type (Female) interface
Power Supply	POE 48VDC: support IEEE802.3af/at standard
Indicator	5.8G signal indicator, 2.4G signal indicator, WAN indicator, LAN indicator, running indicator, bridging signal strength indicator
Power Consumption	No-load: 5.4W@48VDC Full-load: 10.2W@48VDC
Working Environment	Operating temperature: -40~75°C Storage temperature:-40~85°C Relative humidity: 5%~95% (no condensation)
Physical Characteristic	Housing: IP68 protection, metal Installation: Wall mounting or pole mounting Dimension (L × W × H): 275mm×76mm×245mm
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
MTBF	>250000 hours
Authentication	CE, FCC, RoHS

Ordering Information

Part Number	Description
IAP264A25PDP1248	Outdoor 1200Mbps Wireless Dual Band
IAP26S4A255GTPD	Outdoor 1200M Wireless Dual Band, 2.4G+5.8 G,3*1G RJ45,48VPOE/12-48VDC.

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