



IAP2300-2N2-5T-2LVI

DIN-Rail Mounting

Wireless Single-band AP

- Support 1 WAN port, 4 LAN ports and 2 WIFI antenna interfaces, etc
- Support four work modes including routing, AP, network bridge and client
- Support dual power supply redundancy, power supply has non-polarity protection, input voltage: 12~36VDC
- Support -40~75°C wide operating temperature range



2.4G



Introduction

IAP2300-2N2-5T-2LVI is industrial wireless AP. This product supports 1 WAN port, 4 LAN ports and 2 antenna interfaces, etc. It adopts DIN-Rail mounting, which can meet the requirements of different application scenes.

The device supports four working modes: routing, AP, bridge and client. Support IEEE802.11b/g/n wireless technology, wireless transmission rate up to 300Mbps; Support WPA, WPA2, WPA3 and other wireless encryption methods, with SSID hiding, wireless user isolation, MAC address filtering, ARP binding, DMZ settings and other security policies; Support for virtual APS, where a single AP device supports multiple SSIDs.

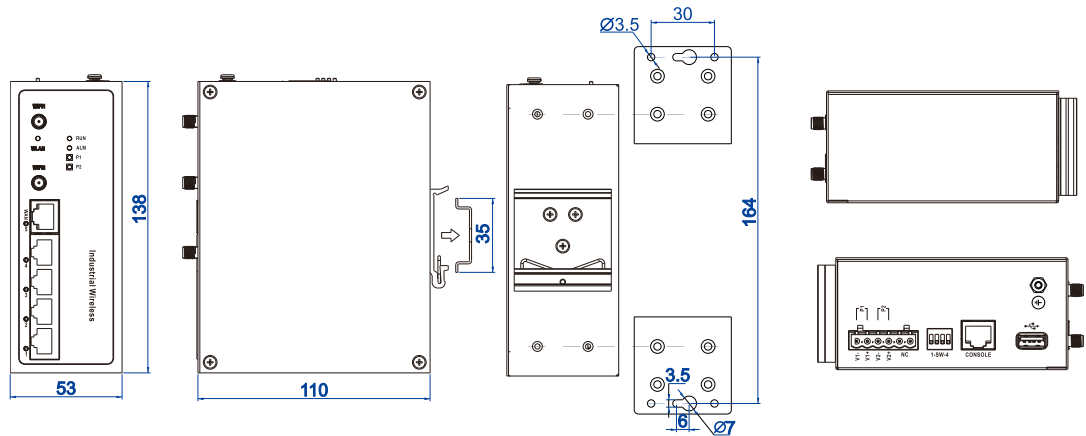
The input power supply is two independent power supply circuits which can ensure the normal operation of the device when one power supply fails. DIP switch can achieve one-key reboot and factory default recovery. When power supply or port has link failure, ALARM indicator would be bright and send alerts for quick troubleshooting on the scene. This product adopts fanless, low power consumption, wide temperature wide pressure industrial grade design, which can adapt to the harsh 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 routing, AP, network bridge and client
- ⊙ Support high-speed wireless connection, the transmission speed of 2.4GHz can reach up to 300Mbps
- ⊙ Support 2*2MIMO multi-path multiplexing technology
- ⊙ Support wireless probe, it can realize personal positioning function with location engine
- ⊙ Support multiple SSID settings and provide SSID hiding function
- ⊙ Support multiple firewall functions, including port forwarding, ARP binding, DMZ isolation etc.
- ⊙ Support AC Management, SNMP and QoS function
- ⊙ Support WPA/ WPA2/WPA3 function
- ⊙ Support wireless user management and flow monitoring
- ⊙ -40~75°C wide operating temperature range
- ⊙ Strong anti-interference ability and high defensiveness, which can adapt to all kinds of severe environments easily

Dimension

Unit: mm



Specification

Standard & Protocol	IEEE802.11b/g/n for WLAN IEEE802.11i for wireless security IEEE802.11r for fast roaming IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X)
Working mode	Route mode, AP mode, bridge mode, client mode
Network Settings	External Network Settings, Intranet Settings, Wireless Settings, Wireless Probe, AC Management, SNMP Management, QoS Management
Network Security	MAC Filtering, IP Filtering, URL Filtering, WPA/WPA2/WPA3 Encryption, DMZ
WIFI Transmission Rate	802.11n: 6.5~300Mbps 802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps
WIFI RF	Channel: 2.412GHz~2.4835GHz RF power output: 23dBm Modulation methods: DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM
WIFI Receiving Sensitivity	802.11n_HT40: -82dBm@MCS0, -64dBm@MCS7 802.11n_HT20: -85dBm@MCS0, -67dBm@MCS7

	<p>802.11g: -91dBm@6Mbps, -72dBm@54Mbps 802.11b: -93dBm@1Mbps, -87dBm@11Mbps</p>
WIFI Transmission Power	<p>802.11n_HT40: 23dBm@MCS0, 20dBm@MCS7 802.11n_HT20: 23dBm@MCS0, 20dBm@MCS7 802.11g: 23dBm@6Mbps, 20dBm@54Mbps 802.11b: 23dBm@1Mbps, 23dBm@11Mbps</p>
Interface	<p>Copper port: 5 10/100Base-T(X) RJ45 ports, 4 LAN + 1 WAN Antenna interface: 2 WIFI antenna interfaces, RP-SMA-K(Female)</p>
Indicator	<p>WLAN port indicator, running indicator, alarm indicator, power supply indicator, LAN port connection indicator</p>
Physical Characteristic	<p>Housing: IP30 protection, metal Dimension (W x H x D): 53mm x 138mm x 110 mm(exclude antenna) Installation: DIN-Rail mounting Weight: 557g</p>
Working Environment	<p>Operating temperature: -40~75°C Storage temperature: -40~75°C Relative humidity: 5%~95% (no condensation)</p>
Power Supply	<p>Support dual power supply redundancy, voltage range: 12~36VDC Support non-polarity, built-in overcurrent 2.0 protection</p>
Power Consumption	<p>Normal temperature No-load</p> <ul style="list-style-type: none"> • 1.8W@12VDC • 1.8W@24VDC • 2.0W@36VDC <p>High temperature full load</p> <ul style="list-style-type: none"> • 5.8W@12VDC • 5.4W@24VDC • 5.4W@36VDC
Industrial Standard	<p>IEC 61000-4-2 (ESD, electrostatic discharge), Level 3</p> <ul style="list-style-type: none"> • Air discharge: ±8kV • Contact discharge: ±6kV <p>IEC 61000-4-4 (EFT, electrical fast transient pulses), Level</p>



	<p>3</p> <ul style="list-style-type: none">• Power supply: $\pm 2\text{kV}$• Ethernet port: $\pm 1\text{kV}$• Relay: $\pm 2\text{kV}$ <p>IEC 61000-4-5 (Surge), Level 3</p> <ul style="list-style-type: none">• Power supply: common mode $\pm 2\text{kV}$, differential mode $\pm 1\text{kV}$• Ethernet port: $\pm 2\text{kV}$• Relay: common mode $\pm 2\text{kV}$, differential mode $\pm 1\text{kV}$ <p>Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6</p>
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Authentication

CE, FCC, RoHS

Warranty

5 years

Ordering Information

Model	WAN Port	LAN Port	WIFI Antenna Interface	Power Supply
IAP2300-2N2-5T-2LVI	1	4	2	12~36VDC

Accessory Information

Type	P/N	Gain (dBi)	Count (pcs)	Remark
2.4G wireless	3005040056	5	2	Standard

Optional Accessory

Type	Specification
2.4G wireless	P/N 3005040076, gain value 7dBi
Sucker + Feeder	P/N 3005040096, frequency range 0-6GHz, cable-side connector RP-SMA-J, sucker-side connector RP-SMA-K, cable length 3m, wire RG-58, wire diameter 5mm
Sucker + Feeder	P/N 3005040093, frequency range 0-6GHz, cable-side connector RP-SMA-J, sucker-side connector RP-SMA-K, cable length 5m, wire RG-58, wire diameter 5mm



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