

IAP2312N-2T

2.4GHz Industrial Wireless AP

1-way 100M LAN port + 1-way 100M WAN port (POE powered) + 2-way omnidirectional antennas

Features

- ◎ Supports IEEE802.3, IEEE802.3u, IEEE802.11b/g/n, IEEE802.11i, IEEE802.11r standard
- ◎ Supports 1-way 10/100Base-T(X) LAN port and 1-way 10/100Base-T(X) WAN port
- ◎ Supports two power supply modes, 12~48VDC terminal blocks power supply and POE 48VDC power supply
- ◎ Supports 2 x 2 MIMO technology, it provides 1.5KV isolation protection for antenna and power supply
- ◎ Supports route, AP, Bridge, client four work modes
- ◎ Supports multiple AP seamless roaming technology
- ◎ Supports multiple SSID setting and provides SSID concealing function
- ◎ Supports port forwarding, ARP binding, DMZ isolation area and other firewall functions
- ◎ Supports wireless user management
- ◎ Supports wide temperature range operation and storage, working temperature -40~75°C, storage temperature -40~85°C
- ◎ IP40 protection grade, DIN-rail mounting

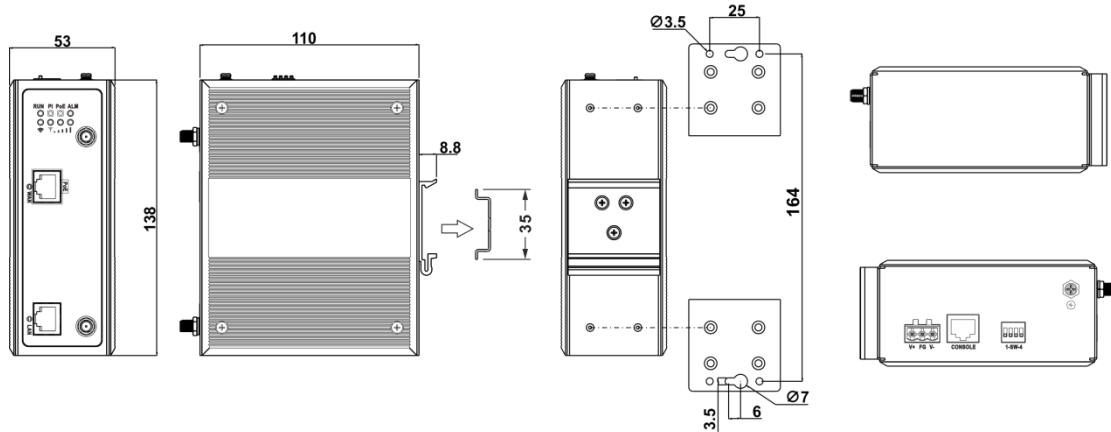


Introduction

IAP2312N-2T is an industrial wireless AP, it supports route, AP, bridge, client four working modes and IEEE802.11b/g/n wireless technology, and wireless transmission speed reaches 300Mbps, which can meet fast data transmission demands. The device supports WEP SHARED, WPA2-PSK and other wireless cipher mode; it 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 seamless roaming, that is, in the WLAN (Wireless Local Area Network) constituted by multiple AP, user can achieve seamless roaming without conducting the switching operation. The product adopts fanless, low power consumption, industrial grade design, all components adopt industrial grade components, which can achieve high reliability and adapt to harsh industrial environment, -40~75°C working temperature range, it can meet various industrial scenes demands.

Dimension

Unit (mm)



Specification

Standard

Standard: IEEE802.3, IEEE802.3u, IEEE802.11b/g/n,
IEEE802.11i, IEEE802.11r, IEEE802.3af/at
Protocol: TCP/IP, DHCP, PPPOE, ICMP, ARP, HTTP

Wireless Transmission Speed

802.11n: 6.5~300Mbps
802.11b: 11/5.5/2/1Mbps
802.11g: 54/48/36/24/18/12/9/6Mbps

Radio Frequency

Channel: 2.412GHz~2.4835GHz
RF power output: 20dBm

Receiving sensitivity:



- 802.11n_HT40: -82dBm@MCS0, -64dBm@MCS7
- 802.11n_HT20: -85dBm@MCS0, -67dBm@MCS7
- 802.11g: -91dBm@6Mbps, -72dBm@54Mbps
- 802.11b: -93dBm@1Mbps, -87dBm@11Mbps

Transmitted power:

- 802.11n_HT40: 20dBm@MCS0, 20dBm@MCS7
- 802.11n_HT20: 20dBm@MCS0, 20dBm@MCS7
- 802.11g: 20dBm@6Mbps, 20dBm@54Mbps
- 802.11b: 20dBm@1Mbps, 20dBm@11Mbps

Modulation system: DBPSK, DQPSK, CCK, OFDM,
16-QAM, 64-QAM

Indicator

Device running status indicator: RUN
Power supply connection status indicator: PI
POE power supply status indicator: PoE
Alarm indicator: ALM
Wireless port connection indicator: 
Wireless signal intensity indicator: 
LAN port connection status indicator: LAN
WAN port connection status indicator: WAN

Interface

LAN port: 1-way 10/100Base-T(X) RJ45 port
WAN port: 1-way 10/100Base-T(X) RJ45 port,
supports POE48VDC power supply
input

Antenna: 2 RP-SMA (Female) interfaces

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)

Power supply

Power supply input: 12~48VDC or 48VDC POE power
supply

Input mode: 3-pin 5.08mm pitch terminal block

Power supply supports non-polarity connection

Consumption

No-load consumption: < 2W

Full-load consumption: < 3W

Working environment

Working temperature: -40~75°C

Storage temperature: -40~85°C

Relative humidity: 5%~95% (no condensation)

Mechanical structure

Shell: IP40 protection grade, corrugated high strength
metal shell

Mounting method: DIN-rail or wall-mounted (optional
accessories)

Size (L×W×H): 138mm×110mm×35mm

Weight: 0.57kg

Industry standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS:

IEC 61000-4-2 (ESD), Level 3

- Contact: 6 kV
- Air: 8 kV

IEC 61000-4-4 (EFT), Level 3

- Power: 2 kV
- Signal: 1 kV

IEC 61000-4-5 (Surge), Level 3

- Power: common mode 2 kV
different mode 1 kV
- Signal: common mode 2 kV

different mode 1 kV

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty

Warranty period: 5 years

Certification

CE, FCC, RoHS, UL508 (pending)

See the newest products certification information on 3onedata website