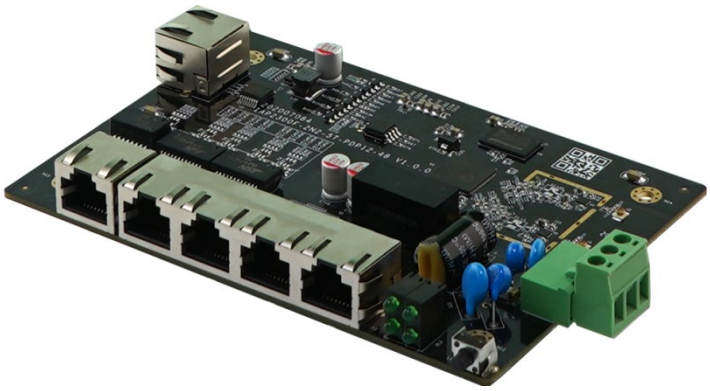
3onedata
Reliable Connections



IAP2300F-2N2-5T-P12_36

Embedded Mounting

2.4G wireless single-band AP

- Support 1 100M WAN, 4 100M LAN and 2 2.4G WIFI IPEX-1 generation antenna pedestal
- Support four work modes including routing, AP, network bridge and client
- Support DC power supply input and anti-reverse connection, input voltage: 24VDC (12～36VDC)
- Support -40~75℃ wide operating temperature range

Introduction

IAP2300F-2N2 -5T-P12_36 is an industrial wireless AP. The product supports 1 100MB WAN, 4 100MB LAN and 2 WIFI IPEX-1 generation antenna pedestal, etc. It adopts embedded 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.

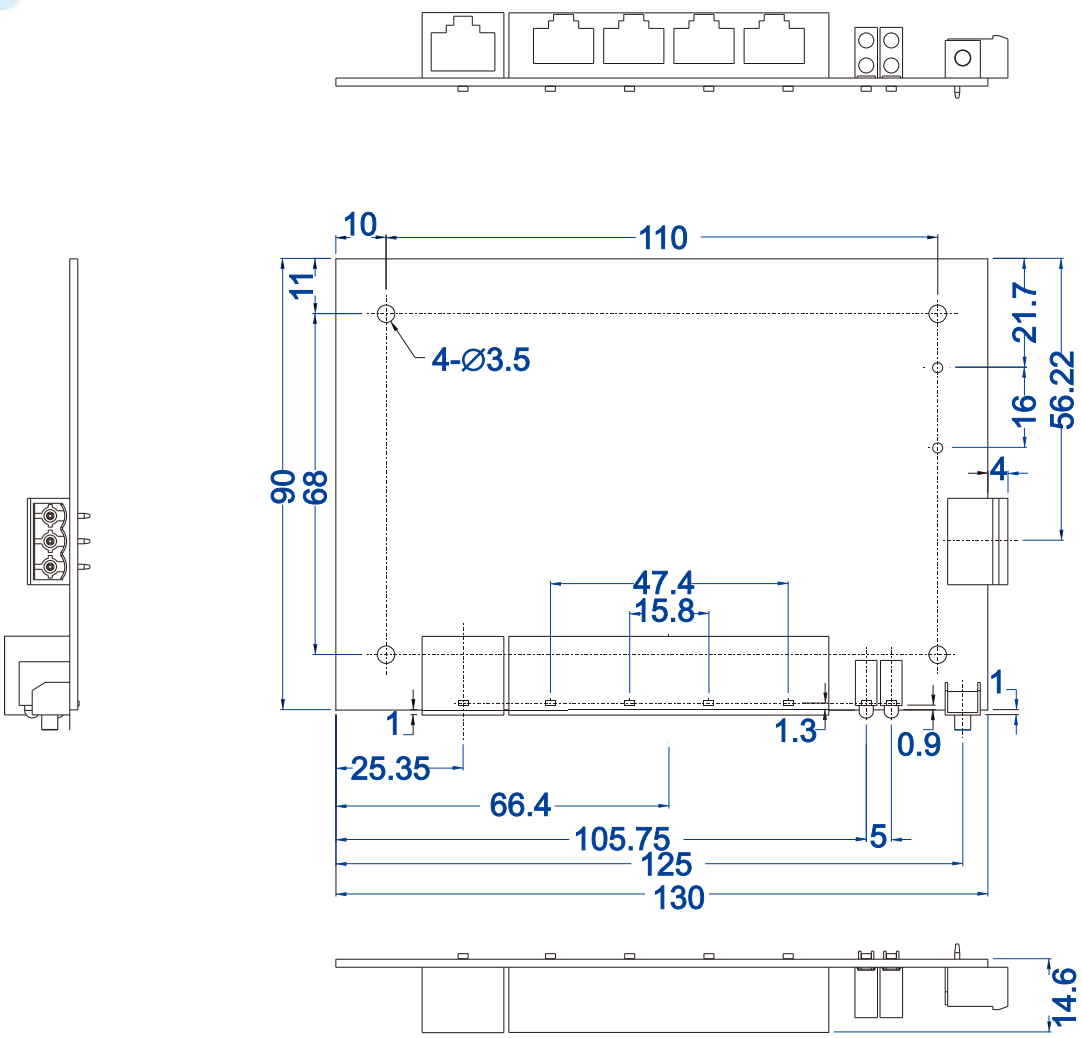
RESET button can realize device reboot and one-key factory default restoration. The hardware adopts fanless, low power consumption, wide temperature and wide pressure design, through the strict test in line with the industry standards, can adapt to the harsh requirements of the industrial environment, 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℃ wide operating temperature range
- Support power and antenna isolation protection
- Strong anti-interference ability and high defensiveness, which can adapt to all kinds of severe environments easily
- Support the function of power reconnection after outage, and the bridge can automatically reconnect after the device is started again

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, AP, bridge, client
Network Setting	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 802.11g：-91dBm@6Mbps、-72dBm@54Mbps 802.11b：-93dBm@1Mbps、-87dBm@11Mbps
WIFI Transmission Power	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
Interface	Copper port: 5 10/100Base-T(X) RJ45 ports: 4 LAN + 1 WAN Antenna pedestal: 2 WIFI IPEX-1 generation antenna pedestal, RP-SMA-K type (Female), support 1.5kV isolation protection
Indicator	Signal indicator, Running indicator, Power supply indicator, 2.4G wireless indicator
Physical Characteristic	Installation: embedded mounting Dimension (W x H x D): 130mm×14.6mm×90mm
Working Environment	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5%~95% (no condensation)
Power Requirement	Support DC power input, voltage range: 24VDC(12 ~ 36VDC), support anti-reverse connection, support 1.5KV isolation protection
Power Consumption	≤4.6W@24VDC
Authentication	CE, FCC, RoHS

Ordering Information

Model	100M WAN	100M LAN	WIFI IPEX-1 Generation Antenna Pedestal	Power Supply
IAP2300F-2N2-5 T-P12_36	1	4	2	24VDC (12~36VDC)

Optional Accessories

Type	P/N	Gain(dBi)	Quantity(pcs)	Remark
2.4G antenna	3005040076	7	2	Optional
Magnetic base of suction cup	3005040079	—	2	Optional
Antenna_ Radio-frequency patch cord	3005040077	—	2	Optional

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