

KyAir110

DIN-Rail Industrial Wireless AP



» Overview

KyAir110 industrial wireless AP is a wireless access device based on IEEE 802.11 ac technology. It has the advantages of rich functions, high performance and high reliability, and used to meet WLAN wireless application requirements in various industrial scenarios.

KyAir110 is suitable for mobile access, wireless coverage, Internet of Things and other related scenarios. It can operate simultaneously in the 2.4GHz and 5GHz frequency bands when in AP mode, and supports IEEE802.11a, IEEE802.11b, IEEE802.11g, IEEE802.11n and IEEE802.11ac wireless technology standard, the maximum access rate is 1167Mbps.

KyAir110 can also work in wireless client mode and be installed on an AGV trolley, providing fast wireless switching capabilities, and at the same time, it can flexibly choose 2.4GHz or 5GHz access according to scene needs.

» Key Features

Fully support 802.11 ac technology, the access capacity of the whole machine is 1167Mbps

Support dual Gigabit Ethernet ports

Support NAT mode

Support millisecond-level seamless roaming

Support MAC address cloning

Supports IPv4 and IPv6

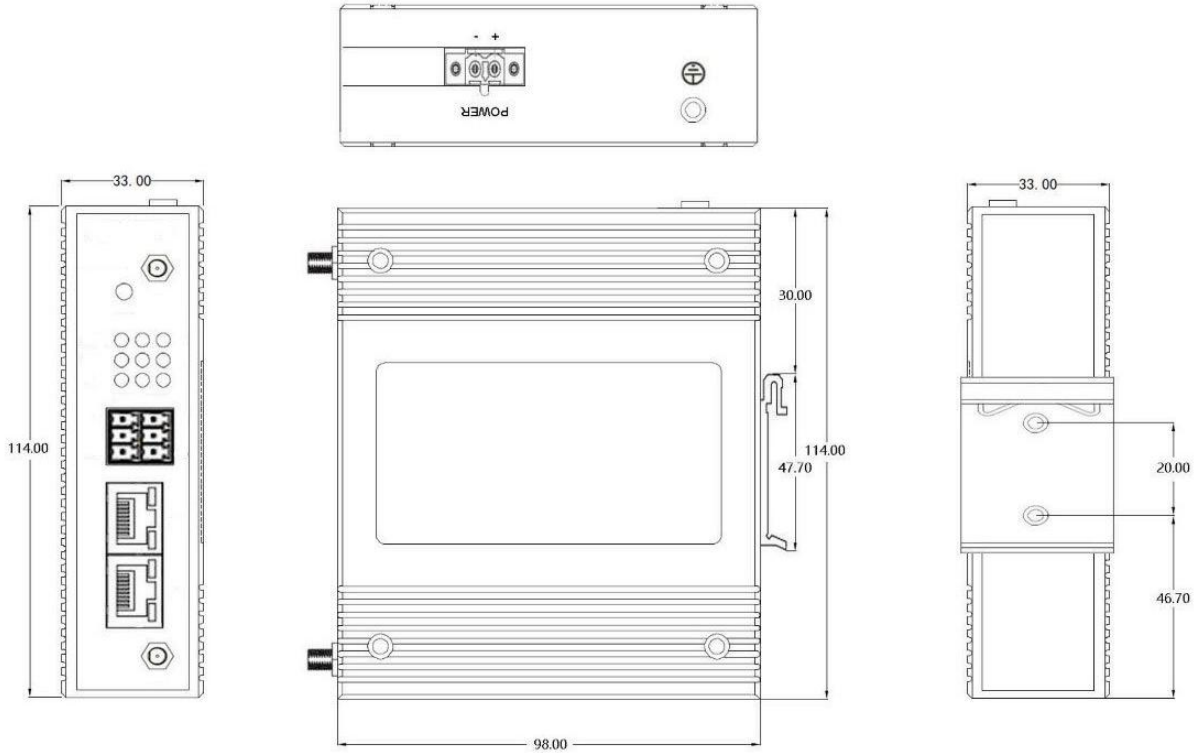
Metal body, wide temperature operation (-40 °C ~ 70 °C)

» Product Specifications

| | | |
|-------------------------|---------------------------------|---|
| Hardware Specifications | Network interface | 2 * 10/100/1000Mbps RJ45 |
| | Serial interface | 1 * RS232 or RS485 serial port |
| | Serial Communication Parameters | Data bits: 5, 6, 7, 8 Stop bits: 1, 2 Check bits: None, Even, Odd Baud rate: 4800bps ~ 921600bps |
| | Modulation Technique | OFDM : BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS : DBPSK@1Mbps, DQPSK@2Mbps, CCK@5.5/11Mbps MIMO-OFDM (11n): MCS 0-15 MIMO-OFDM (11ac): MCS 0-9 |
| | Modulation mode | 11b: DSS: CCK@5.5/11Mbps, DQPSK@2Mbps, DBPSK@1Mbps 11a/g: OFDM: 64QAM@48/54Mbps, 16QAM@24Mbps, QPSK@12/18Mbps, BPSK@6/9Mbps 11n: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM 11ac: MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM |
| | Power Supply | Power input: 12-36V DC Power consumption 14W |
| | Installation method | DIN-Rail |
| | Operating temperature | -40°C~70°C |
| | Storage temperature | -40°C~75°C |
| | Ambient Relative Humidity | 5% ~ 95% non-condensing |

| | | |
|-------------------------|-----------------------|--|
| Software Specifications | Standard | IEEE 802.11 a/b/g/n/ac |
| | Frequency | 2.4G: 2.4GHz-2.483GHz 5G: 5.150GHz-5.350GHz,5.725GHz-5.850GHz |
| | Working mode | Access Point, Client |
| | Roam | Support 802.11k, 802.11v, 802.1 r Support Turbo roaming |
| | WLAN feature | Support RTS/CTS Support hidden SSID Support terminal aging, heartbeat detection |
| | Layer 2 and 3 feature | Support Static IP, DHCP dynamically obtains addresses Support IPv6 Support ACL Support DHCP Server (Routing Mode) Support NAT (Routing Mode) |
| | Security protocols | WPA, WPA-PSK, WPA2- Enterprise, WPA2-PSK, MAC authentication, Web authentication, PPPoE |
| | Network model | Bridge/Routing |
| | Management | Support Web management Support SNMP v1/v2c/v3 Support SNMP Trap Support Telnet Support FTP/TFTP |


Mechanical Drawing



Ordering Information

| Product Model | Description |
|-------------------|---|
| KyAir110-2GE1D-L5 | Industrial Din-Rail Dual Radio 2.4+5GHz Concurrent Wireless AP/Client, 802.11a/b/g/n/ac WLAN, 2xGiga Ethernet, 1xRS232/485 serial port, data rates up to 1167Mbps, 12-36VDC Power Input |

Accessories

| Accessories Model | Description |
|----------------------------|--|
| KyAir-ANT*2-5.8G-D-NK | 5.8 GHz directional plate antenna, 2MIMO outdoor directional antenna, gain 7dB, no feeder, 2 NK connectors |
| KyAir-ANT*2-2.4G&5.8G-D-NK | Dual-band directional plate antenna, 2MIMO outdoor directional antenna, gain 7dB, no feeder, 2 NK connectors |
| KyAir-Cable-SMAJ-NJ-7D1.5 | 7DFB feeder, antenna connector SMAJ-NJ, 1.5 m, used with directional plate antenna |
| KyAir-Cable-SMAJ-NJ-7D6 | 7DFB feeder, antenna connector SMAJ-NJ, 6 m, used with directional plate antenna |