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

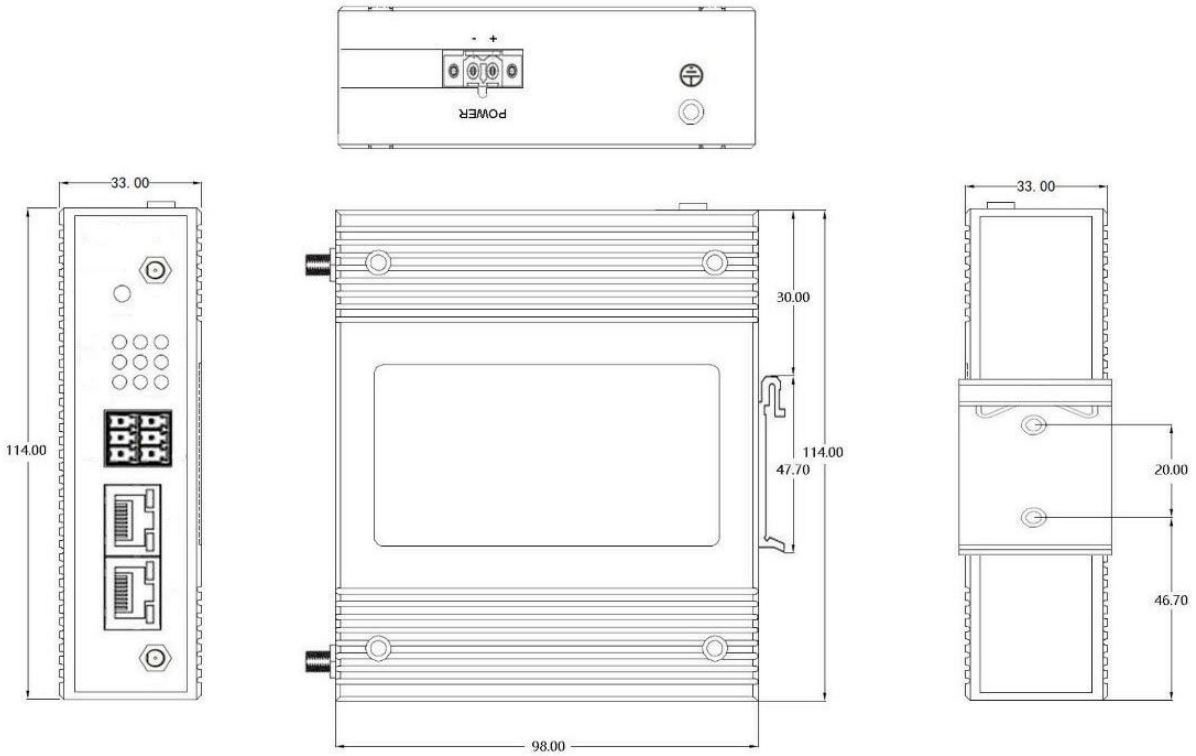
Metal body, wide temperature operation (-40 °C ~ 70 °C)

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℃~70℃
	Storage temperature	-40℃~75℃
	Ambient Relative Humidity	5% ~ 95% non-condensing

Software Specifications	Max. transmitting power	2.4G: 15dBm 5G: 18dBm
	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 retes 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