

KyAir600F

Industrial Explosion-proof Wireless WiFi5 AP



» Overview

KyAir600F explosion-proof AP is a product developed for the application of wireless local area network technology in explosive dangerous environments. It realizes the complete coverage of wireless network signals in industrial dangerous environments, and provides wireless connection, Internet of Things control and reliable data collection for dangerous environments. KyAir600F has IP66 protection level and IIC explosion-proof certification, and can work in the environment of -40 °C ~ 70 °C, it is especially suitable for dangerous goods production, logistics, warehousing and other links in chemical, pharmaceutical, petrochemical and energy industries, as well as oil and gas exploitation platforms and other applications.

Key Features

Support 802.11 a/b/g/n/ac standard and 2x2 MIMO standard

Maximum transmission rate 867Mbps (5G)&300Mbps(2.4G)

Support bridge and routing mode, by adjusting the network mode of the device, it can realize flexible deployment of network architecture

Support 802.3at protocol (POE +)

Protection level IP66, operating temperature-40 °C ~ 70 °C, explosion-proof level IIC, adapting to a variety of harsh environments

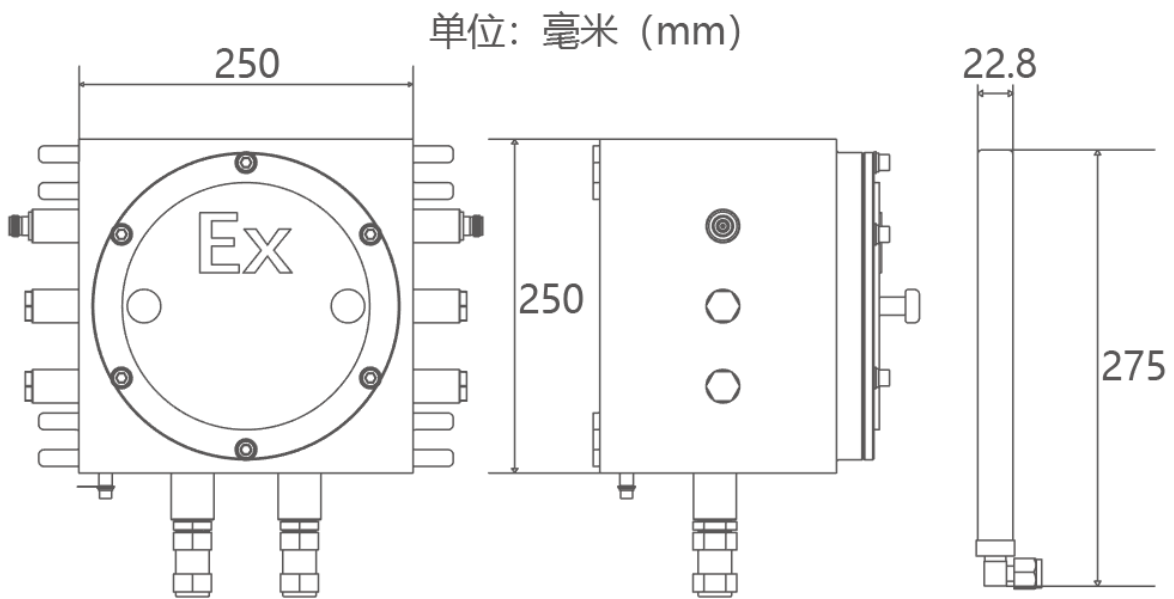
Load balancing, dynamically adjusting the number of terminals that can be associated with each access point device, and maximizing the use of network resources

Product Specifications

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| Hardware Specifications | Host size | 320mm x 285mm x 244mm |
| | Weight | 14.4 kg |
| | Mounting method | Wall mount |
| | Protection | IP66 |
| | Antenna Gains | 2.4 G: 6dBi 5G: 5dBi |
| | Explosion-proof grade | Exd IIC T6 Gb |
| | Power supply mode | 48V POE + power supply |
| | Maximum Power Consumption (W) | 12W |
| | Network interface | 2 * 10/100/1000Mbps RJ45 (1 of which supports PoE) |
| | Radio frequency interface | 2 * N Type connector |
| | Maximum transmitting power | 2.4 G: 25dBm 5G: 24dBm |
| | Operating temperature | -40°C~70°C |
| | Storage temperature | -40°C~85°C |
| | Ambient Relative Humidity | 5% ~ 95% non-condensing |
| Surge immunity | POE/GE: common mode 4KV, differential mode 2KV | |

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| | Electrostatic discharge immunity | Contact discharge: 4KV, air discharge: 6KV |
| | Wind resistance velocity | 150km/h |
| Software Specifications | Standard | IEEE 802.11 a/b/g/n/ac |
| | Working mode | Access Point, Client, WDS Access Point, WDS Client |
| | Security protocols | WPA2-PSK, hidden SSID, IP/MAC filtering |
| | Network model | Bridge/Routing |
| | Configuration Management | Support web configuration, AC remote management, SNMP management |
| | Others | Timed restart, Support VLAN, QoS, Watchdog |

» Mechanical Drawing



Ordering Information

| Product Model | Description |
|---------------|---|
| KyAir600F | Industrial explosion-proof Dual Radio 2.4G +5GHz Concurrent Wireless AP/Client/bridge, 802.11a/b/g/n/ac WLAN, data rates up to 1167Mbps,IP66 Enclosure, support 802.3at PoE power supply ,support KyAir3006 wireless controller |

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