

EX-AP-AIMJ01

EX Certified Wi-Fi access point



II (1) G
II (1) D



Ex db [ia Ga] op pr IIB+H2 T6 Gb
Ex tb [ia Da] op pr IIIC T85 °C Db



INSIDE
AirEngine5761R-11E

Main features

- Ex Zone 1 and Zone 2
- IEEE 802.11a/b/g/n/ac/ac Wave 2/ax
- Ex db Explosion proof enclosure
- MU-MIMO, two spatial streams
- 575 Mbit/s at 2.4 GHz + 1200 Mbit/s at 5GHz
- 2.4G-to-5G switching technology, 2.4 Gbit/s at dual 5 GHz radios
- AC(100-240V) power supply, GE port or SFP
- Built-in surge protection design
- External antenna
- Diversity or single antenna options
- Recommended for outdoor high-density and relay backhaul scenarios
- Easy to install (no fixed cables)
- Fiber and Ethernet support
- Ambient temperature: -20 °C up to +60 °C



Jexwear and Huawei are solution partner for wireless technologies in Oil and Gas industries.



What it is

The EX-AP-AIMJ Series has both IECEx and ATEX Zone 1 and Zone 2 certification, and will be available in aluminum alloy or stainless steel or carbon steel or cast iron. The dual band 2.4ghz and 5 ghz Ex d access point has been custom designed to accommodate a long range of configurations and features like 1000-base-FX(fiber) connection, AC, PoE and several antenna connections and configurations.

What it does

With the EX-AP-AIMJ Series you can create a state of the art wireless infrastructure directly in hazardous area with minimal efforts. The JID601T has a dual radio design that enables coexistence of 802.11n, 11ac ,ac wave2 and ax networks. Wireless networks helps organizations cut cabling cost and increase connectivity within their own facilities to startutilizing a wide range of wireless applications.

EX-AP-AIMJ01

Radio data

- 2.4G: 28dBm (combined power)
- 5G: 27dBm (combined power)
- The actual transmit power depends on local laws and regulations
- Group IIB Max. EIRP: 35.4dBm (Each port)
- Group IIB+H2 Max. EIRP: 33dBm (Each port)

Security Standards

- 802.11i,Wi-Fi Protected Access 2(WPA2),WPA,WPA2,WPA2-Enterprise,WPA2-PSK,WPA3,WAPI*
- 802.1X
- Advanced Encryption Standards(AES),Temporal Key Integrity Protocol(TKIP),WEP,Open
- EAP Type(s)

Safety

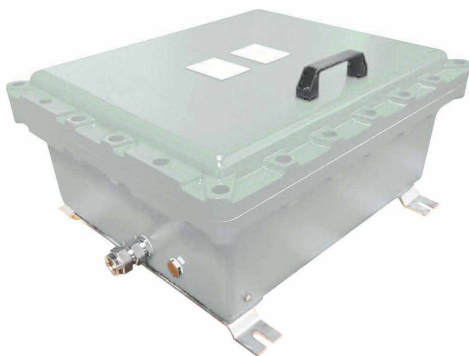
- UL 60950-1 / UL 62368-1
- IEC 60950-1 / IEC 62368-1
- EN 60950-1 / EN 62368-1
- CAN/CSA 22.2 No. 60950-1
- GB 4943.1
- IEC 60079-0 / IEC 60079-1 / IEC 60079-11(Ex Ver.)
- EN IEC 60079-0 / EN 60079-1 / EN 60079-11(Ex Ver.)

Radio approvals

- ETSI EN 300 328
- ETSI EN 301 893
- AS/NZS 4268

RF safety barrier

- ATEX/IECEx approved RF safety barrier permits the installation of non-Ex certified antenna in hazardous areas.
- Provides an intrinsically safe output and features a barrier circuit which blocks power voltage in the event of a radio transmitter/receiver fault.
- Permits a wide variety of passive antennas to be installed in hazardous areas. Antennas may be removed and/or installed with power on.
- Protection type:
I (M1) [Ex ia Ma] I
II (1) G [Ex ia Ga] IIC
II (1) D [Ex ia Da] IIIC



Glands for Cable entries

- Code: DQM-III Series
- ATEX: Nemko 10 ATEX 1005X
- IECEx: IECEx CQM 11.0028
- Application fields:
Surface - Group II
- Protection type:
Ex db IIC • Ex eb II(Gas) • Ex tb IIIC(Dusts)



System certification

- ATEX: Presafe 20 ATEX 20038X
- IECEx: IECEx PRE 20.0120X

Protection type

- Ex db [ia Ga] IIB+H2 T6 Gb
- Ex tb [ia Da] IIIC T85°C Db
or
- Ex db [ia Ga] op pr IIB+H2 T6 Gb
- Ex tb [ia Da] op pr IIIC T85°C Db

Connections

- Antenna: 4 off N-type female connector
- 1x M20 entry with M20 gland for fiber or ethernet
- 1x M25 entry with M25 gland for Power Input

Dimensions and weight

- Aluminium enclosure
- Dimensions: 59.2cm x 50.1cm x 25.7cm
- Weight: Appr. 66 kg (AP and Adapter included)

Mounting kits

- Standard mounting kits is included

