

FL WLAN 24 DAP 802-11-US - Wireless module



2700451

<https://www.phoenixcontact.com/us/products/2700451>

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WLAN dual access point for the USA and Canada, 24 V DC, PoE; IEEE 802.11 a/b/g; 2.4 GHz; 5 GHz, client adapter; antenna diversity; web-based management; 802.11i, WPA2, WPA-PSK, RADIUS, WEP, TKIP, AES



Your advantages

- 2.4 GHz and 5 GHz supported
- High resistance to vibration, shock, and EMI
- Maximum security according to IEEE 802.11i with AES encryption
- Range of several hundred meters*

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2700451 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DN26 |
| Product key | DNN2W1 |
| GTIN | 4046356553049 |
| Weight per piece (including packing) | 1.3 kg |
| Weight per piece (excluding packing) | 1.3 kg |
| Customs tariff number | 85176200 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------|-----------------|
| Product type | Wireless module |
| Type | Stand-alone |

Wireless card

| | |
|---------------|--|
| Number | 2 |
| Type | IEEE 802.11a/b/g, 2.4 and 5 GHz to 54 Mbps |
| Assembly note | Permanently installed |

Electrical properties

| | |
|---|-------|
| Maximum power dissipation for nominal condition | 9.6 W |
|---|-------|

Supply: Module electronics

| | |
|----------------------|-------------------------------------|
| Connection method | Via COMBICON |
| Supply voltage | 24 V DC (PoE) |
| Supply voltage range | 18.5 V DC ... 30.5 V DC |
| Supply current | 400 mA (Recommended protection 2AT) |

Interfaces

Ethernet

| | |
|-------------------|-----------|
| Interface | Ethernet |
| Number | 1 |
| Connection method | RJ45 jack |

Antenna

| | |
|-------------------|-------------|
| Number | 4 |
| Connection method | RSMA (male) |

Functions

| | |
|-----------------------------------|---|
| Operating modes | Access Point |
| Configuration | Multilingual web-based interface (German/English) under http or https, with password protection |
| Automatic channel selection | yes |
| Quality of service (QoS) | Yes |
| Virtual LAN (VLAN) support 802.1Q | yes |
| Security | WEP 64 bit/128 bit |
| | WEPplus |
| | WPA TKIP |
| | 802.11i WPA2 (RSN,AES) |
| | WPA PSK (preshared key) |
| | WPA group & master rekeying |
| Country support | USA |
| | Canada |

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Wireless

| | |
|--|---------------------|
| Designation | Wireless card |
| Antenna connection method | RSMA (female) |
| Frequency band | 2.4 GHz |
| | 5 GHz |
| Wireless standard | WLAN |
| | IEEE 802.11 |
| | a |
| | b |
| | g |
| h | |
| Transmission power | 20 dBm (EIRP) |
| Number of wireless interfaces | 2 IEEE 802.11 a/b/g |
| Wireless modules that can be connected | 256 (More than) |

Dimensions

| | |
|--------|--------|
| Width | 159 mm |
| Height | 250 mm |
| Depth | 65 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|----------------------------------|---|
| Degree of protection | IP65 |
| Ambient temperature (operation) | -20 °C ... 55 °C |
| Air pressure (operation) | 795 hPa ... 1080 hPa (up to 2000 m above sea level) |
| Permissible humidity (operation) | 10 % ... 85 % (non-condensing) |

Mechanical test

| | |
|--|-----|
| Shock in accordance with EN 60068-2-27/IEC 60068-2-27 | 25g |
| Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6 | 5g |

Standards and regulations

| | |
|------------------|---------------------------------------|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
|------------------|---------------------------------------|

Mounting

| | |
|---------------|--|
| Mounting type | Adapter plate |
| | Panel mounting on adapter plate |
| Assembly note | External OMNI omnidirectional antenna, the antennas can be exchanged |

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Environmental product compliance

EU REACH SVHC

| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|
|-------------------------------------|----------------------------|

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