

## Wireless module - FL WLAN 24 EC 802-11-US - 2700449

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WLAN client 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

- Integrated special antenna (EPA)
- Maximum security according to IEEE 802.11i with AES encryption
- 2.4 GHz and 5 GHz supported
- Protocol-transparent communication on Layer 2



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 046356 553032 |
| GTIN         | 4046356553032   |

### Technical data

#### Dimensions

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

#### Ambient conditions

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

#### Ethernet interface

|           |          |
|-----------|----------|
| Interface | Ethernet |
| Number    | 1        |

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## Technical data

### Ethernet interface

|                   |             |
|-------------------|-------------|
| Connection method | RJ45 socket |
|-------------------|-------------|

### Wireless interface

|  |                     |
|--|---------------------|
| Designation                            | Wireless card       |
| Wireless standard                      | IEEE 802.11         |
|  | a                   |
|  | b                   |
|  | g                   |
|  | n                   |
| Antenna connection method              | RSMA (female)       |
| Frequency band                         | 2.4 GHz             |
|  | 5 GHz               |
| Transmission power                     | 20 dBm (EIRP)       |
| Number of wireless interfaces          | 1 IEEE 802.11 a/b/g |
| Wireless modules that can be connected | 256 (More than)     |

### Wireless card

|                       |  |
|-----------------------|--|
| Number                | 1  |
| Type                  | IEEE 802.11a/b/g, 2.4 and 5 GHz to 54 Mbps |
| Assembly instructions | Permanently installed                      |

### Antenna

|                       |  |
|-----------------------|--|
| Assembly instructions | External OMNI omnidirectional antenna, the antennas can be exchanged |
| Number                | 2  |
| Connection method     | RSMA (male)  |

### Power supply for 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) |

### Functions

|                                   |   |
|-----------------------------------|---|
| Operating modes                   | Ethernet client adapter   |
| 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)  |

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#### Functions

|  |                             |
|--|-----------------------------|
|  | WPA PSK (preshared key)     |
|  | WPA group & master rekeying |

#### General

|                   |                                |
|-------------------|--------------------------------|
| Mounting type     | Wall mounting on adapter plate |
| Net weight        | 1300 g                         |
| Wireless licenses | USA, Canada                    |
| Wireless licences | USA                            |
|                   | Canada                         |
| Mounting type     | Adapter plate                  |

#### Standards and Regulations

|                  |   |
|------------------|---|
| Mechanical tests | Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g             |
|                  | Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1                            |

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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