

FL WLAN 4321 - Wireless set



1194423

<https://www.phoenixcontact.com/us/products/1194423>

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Pre-configured point-to-point Ethernet bridge for U.S. and Canada with internal antennas for pole mounting. IP67, wireless Ethernet communication up to 300 Mbps, frequency: 5 GHz, 10/100/1000 Mbps RJ45, passive PoE (8 - 30 V DC) powered.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1194423 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN16 |
| Product key | DNN2W3 |
| GTIN | 4063151249519 |
| Weight per piece (including packing) | 2,380 g |
| Weight per piece (excluding packing) | 2,220 g |
| Customs tariff number | 85176200 |
| Country of origin | PL |

Technical data

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Product properties

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

Wireless card

| | |
|---------------|-------------------------------------|
| Number | 1 |
| Type | IEEE 802.11 b/g/n 5 GHz to 300 Mbps |
| Assembly note | Permanently installed |

Electrical properties

Supply: Module electronics

| | |
|---------------------|--|
| Supply voltage | 120 V AC (converted to 24 V DC via passive POE adapter (included)) |
| Current consumption | 417 mA (maximum (at 24 V)) |
| Power consumption | 11 W (maximum (at 24 V)) |

Interfaces

Antenna

| | |
|-------------------------------|---|
| Number | 1 |
| Connection method | permanently installed |
| Note on the connection method | Dual polarized: Horizontal and vertical |
| Gain | 11 dBi |

Functions

| | |
|-------------------|----------------------------|
| Security | 256-bit AES-CCM Encryption |
| | WPA2 |
| Wireless licenses | USA, Canada |
| Country support | USA |
| | Canada |

Ethernet (RJ45)

| | |
|-------------------------------|-----------------------------------|
| Number of interfaces | 1 () |
| Connection method | RJ45 |
| Note on the connection method | Auto negotiation and autocrossing |
| Transmission speed | 10/100/1000 Mbps |
| Transmission physics | Copper |
| Number of interfaces | 1 () |

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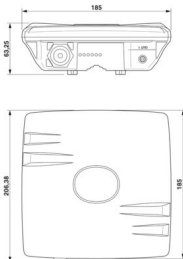
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Wireless

| | |
|--|---|
| Designation | Wireless LAN |
| Antenna connection method | (Internal) |
| Frequency band | 5 GHz |
| Wireless standard | IEEE 802.11 (Wi-Fi Alliance) b (Wi-Fi 1) g (Wi-Fi 3) n (Wi-Fi 4) |
| Number of wireless interfaces | 1 IEEE 802.11 b/g/n |
| Wireless modules that can be connected | 1 () |

Dimensions

| | |
|---------------------|---|
| Dimensional drawing |  |
| Width | 185 mm |
| Height | 63.5 mm |
| Depth | 185 mm |
| Note on dimensions | Outside dimensions |

Material specifications

| | |
|------------------|-------------|
| Color | white |
| Housing material | Polystyrene |

Environmental and real-life conditions

Ambient conditions

| | |
|--|-------------------------------|
| Degree of protection | IP67 |
| Ambient temperature (operation) | -40 °C ... 75 °C |
| Ambient temperature (storage/transport) | -45 °C ... 85 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 5 % ... 95 % (non-condensing) |

EMC data

Emitted interference

| | |
|-----------------------|--------------|
| Standards/regulations | FCC Part 15B |
| Test result | Class A |

Emitted interference

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| | |
|-----------------------|--------------|
| Standards/regulations | FCC Part 15C |
|-----------------------|--------------|

Mounting

| | |
|---------------|------------------|
| Mounting type | Mast mounting |
| Assembly note | Internal antenna |

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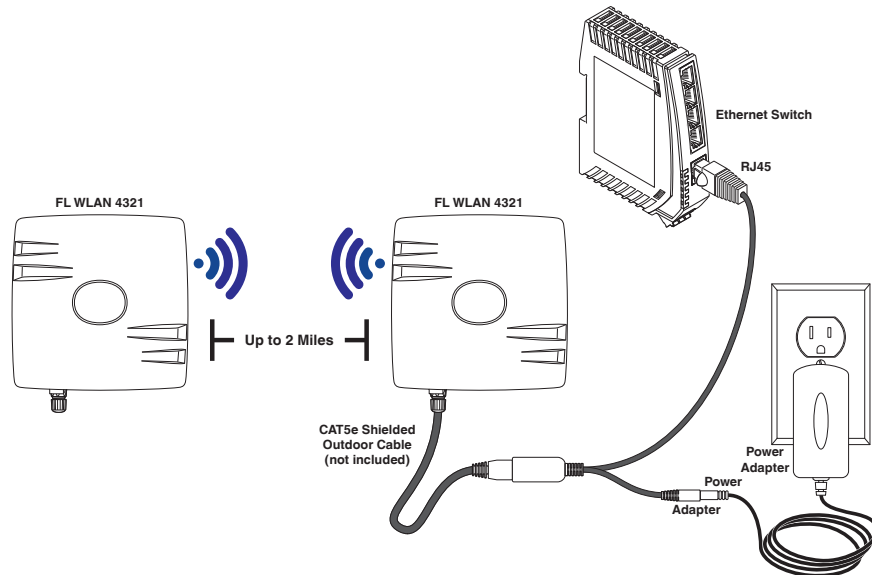
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Drawings

Application drawing



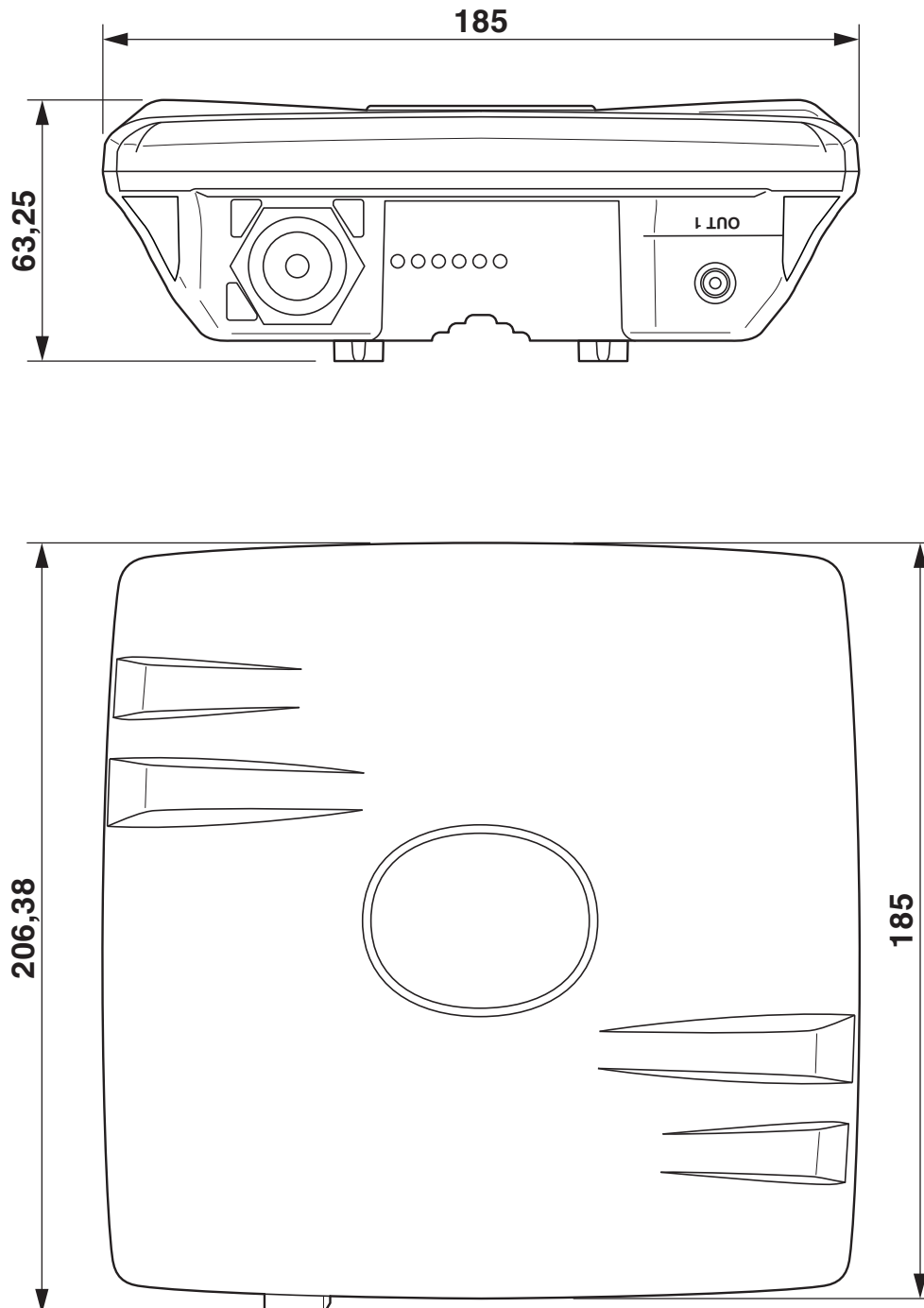
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Dimensional drawing



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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 19170501 |
| ECLASS-12.0 | 19170501 |
| ECLASS-13.0 | 19170501 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000816 |
|----------|----------|

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Environmental product compliance

| | |
|---|---|
| EU RoHS | |
| Fulfills EU RoHS substance requirements | Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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