

# FL WLAN EPA 5N - Wireless module

2700488

<https://www.phoenixcontact.com/us/products/2700488>

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WLAN Ethernet port adapter, client, WLAN 802.11 a/n, 5.15 ... 5.25 GHz frequency, IP65, connections: M12 for 9 ... 30 V DC, M12 for LAN, autocrossing, PROFINET and PROFI-safe-compatible, web-based management, 802.11i, WPA2, WPA-PSK, WEP, TKIP, AES, integrated antenna

## Your advantages

- Degree of protection IP65
- Maximum security according to IEEE 802.11i with AES encryption
- Integrated special antenna (EPA)

## Commercial data

Item number	2700488
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNN2W3
GTIN	4046356562416
Weight per piece (including packing)	249.5 g
Weight per piece (excluding packing)	248.2 g
Customs tariff number	85176200
Country of origin	SE

## Technical data

### Product properties

Product type	Wireless module
Type	Stand-alone

### Wireless card

Number	1
Assembly note	Permanently installed

### Electrical properties

Maximum power dissipation for nominal condition	1.824 W
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### Supply: Module electronics

Connection method	M12 connector, A-coded (male)
Supply voltage	24 V DC
Supply voltage range	9 V DC ... 30 V DC
Supply current	76 mA (at 24 V DC)
Current consumption	76 mA (at 24 V DC)

### Input data

#### Digital:

Number of inputs	1
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### Interfaces

#### Ethernet

Interface	Ethernet
Number	1
Connection method	M12 connector, D-coded (female)

#### Antenna

Number	1
Connection method	permanently installed

#### Functions

Operating modes	Ethernet client adapter
Basic functions	SNMP (V1), DHCP, DCP, LLDP, syslog, fast roaming, trigger input, mode button
Configuration	Web interface, MODE button, AT commands (TCP/IP), SSC
Automatic channel selection	yes
Quality of service (QoS)	Yes
Security	802.11i
	WPA PSK (preshared key)
	WPA2 PSK
	AES

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	WEP 64 bit/128 bit
	TKIP
	Supports 802.1X/RADIUS
Wireless licenses	Europe, USA, Canada, additional countries in the e-shop
Country support	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Hungary
	USA
	Cyprus (rep.)

## Wireless

Designation	Wireless LAN
Antenna connection method	(Internal)
Frequency range	5.15 GHz ... 5.25 GHz (ISM bandwidth)
Frequency band	5 GHz
	WLAN

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Wireless standard	IEEE 802.11
	a
	n
Transmission power	max. 14 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802.11 a/n
Wireless modules that can be connected	1

## Dimensions

Width	66 mm
Height	91 mm
Depth	34 mm
Note on dimensions	Without M12 connections

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 65 °C
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above sea level)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 90 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 90 % (non-condensing)

## Standards and regulations

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

Mounting type	Panel mounting
	Panel mounting
Assembly note	Internal circularly polarized panel antenna

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

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