

FL WLAN EPA RSMA - Wireless module



2701169

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WLAN Ethernet port adapter with external RSMA antenna connection; as wireless connection of an Ethernet interface to a WLAN access point, omnidirectional antenna supplied as standard

Your advantages

- 2.4 GHz and 5 GHz supported
- Degree of protection IP65
- Maximum security according to IEEE 802.11i with AES encryption
- External RSMA antenna connection

Commercial data

Item number	2701169
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNN2W3
GTIN	4046356712415
Weight per piece (including packing)	260.8 g
Weight per piece (excluding packing)	260 g
Customs tariff number	85176200
Country of origin	SE

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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	RSMA (male)
Gain	3 dBi ((2.4 GHz / 5 GHz))
Length	107 mm

Functions

Operating modes	Ethernet client adapter
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

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	AES
	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	RSMA (female)
Frequency range	2.402 GHz ... 5.25 GHz (ISM bandwidth)
Frequency band	2.4 GHz

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Wireless standard	5 GHz
	WLAN
	IEEE 802.11
	b
	g
	a
Transmission power	max. 20 dBm
Number of wireless interfaces	1 IEEE 802.11 a/b/g/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	External OMNI omnidirectional antenna supplied as standard, antennas can be exchanged

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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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