

Wireless module - FL WLAN EPA RSMA - 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

Product Features

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

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	260.0 g
Custom tariff number	85176200
Country of origin	Sweden

Technical data

Dimensions

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

Ambient conditions

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

Ethernet interface

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Technical data

Ethernet interface

Interface	Ethernet
Number	1
Connection method	M 12 connectors (D-coded, female)

Wireless interface

Designation	Wireless LAN
Wireless standard	IEEE 802.11
	b
	g
	a
	n
Antenna connection method	RSMA (female)
Frequency range	2.402 GHz ... 5.25 GHz (ISM bandwidth)
Frequency band	2.4 GHz/5 GHz
Transmission power	max. 20 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802.11 a/b/g/n
Wireless modules that can be connected	1

Wireless card

Number	1
Assembly instructions	Permanently installed

Antenna

Assembly instructions	External OMNI omnidirectional antenna supplied as standard, antennas can be exchanged
Number	1
Connection method	RSMA (male)
Gain	3 dBi ((2.4 GHz/5 GHz))
Length	107 mm

Power supply for 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)

Functions

Operating modes	Ethernet client adapter
Configuration	Web interface, MODE button, AT commands (TCP/IP), SSC

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Technical data

Functions

Automatic channel selection	Yes
Quality of service (QoS)	Yes
Security	802.11i
	WPA PSK (preshared key)
	WPA2 PSK
	AES
	WEP 64 bit/128 bit
	TKIP
	Supports 802.1X/RADIUS

Digital inputs

Number of inputs	1
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General

Net weight	120 g
Mounting type	Wall mounting
Wireless licences	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	Poland

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Technical data

General

	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Hungary
	USA
	Cyprus (rep.)
Mounting type	Wall mounting

Standards and Regulations

Conformity with EMC directives	Noise immunity test in accordance with EN 61000-6-2 EN 61000-6-4
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Classifications

eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	19170202

ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC001423
ETIM 5.0	EC000817

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601

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Classifications

UNSPSC

UNSPSC 13.2	20142601
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Approvals

Approvals

Approvals


UL Listed / cUL Listed / EAC / EAC / cULus Listed


Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Listed 

cUL Listed 

EAC

EAC

cULus Listed 