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## 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

## Wireless module - FL WLAN EPA RSMA - 2701169

### 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 