

Wireless module - FL WLAN EPA - 2692791

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WLAN Ethernet Port Adapter, as a wireless connection from an Ethernet interface to a WLAN Access Point.

Your advantages

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 422420
GTIN	4046356422420
Weight per Piece (excluding packing)	240.000 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
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Technical data

Ambient conditions

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 sea level)
Degree of protection	IP65

Ethernet interface

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

Wireless interface

Designation	Wireless LAN
Antenna connection method	(Internal)
Wireless standard	WLAN
	IEEE 802.11
	b
	g
	n
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Frequency band	2.4 GHz
Transmission power	max. 20 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802.11 b/g/n
Wireless modules that can be connected	1

Wireless card

Number	1
Assembly instructions	Permanently installed

Antenna

Assembly instructions	Internal circularly polarized panel antenna
Number	1
Connection method	permanently installed

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)

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Technical data

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
	AES
	WEP 64 bit/128 bit
	TKIP
	Supports 802.1X/RADIUS

Digital inputs

Number of inputs	1
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General

Mounting type	Wall mounting
Net weight	240.8 g
Wireless licenses	Europe, USA, Canada, additional countries in the e-shop
Wireless licences	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands

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Technical data

General

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

Standards and Regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Classifications

eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	27250500
eCl@ss 6.0	19170200
eCl@ss 7.0	19170202
eCl@ss 9.0	19170209

ETIM

ETIM 2.0	EC001423
ETIM 3.0	EC001423

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Classifications

ETIM

ETIM 4.0	EC001423
ETIM 6.0	EC000817
ETIM 7.0	EC000817

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed


Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cULus Listed			
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Accessories

Accessories

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Accessories

Assembly adapter

Mounting adapter - FL EPA WMS - 2701134



Set for mounting devices with EPA design to wall or mast, including mast clips for a diameter of 25 - 85 mm, can be moved on two axes for optimum alignment, stainless steel

Data cable preassembled

Bus system cable - SAC-4P-M12MSD/ 2,0-931 - 1569391



Bus system cable, Ethernet CAT5 (100 Mbps), 4-position, PUR halogen-free, water blue RAL 5021, shielded, Plug straight M12, coding: D, on free cable end, cable length: 2 m

Bus system cable - SAC-4P-M12MSD/ 5,0-931 - 1569401



Bus system cable, Ethernet CAT5 (100 Mbps), 4-position, PUR halogen-free, water blue RAL 5021, shielded, Plug straight M12, coding: D, on free cable end, cable length: 5 m

Network cable - NBC-MSD/ 1,0-93E/R4AC SCO - 1407360



Network cable, Ethernet CAT5 (100 Mbps), 4-position, PUR, water blue RAL 5021, shielded, Plug straight M12 SPEEDCON / IP67, coding: D, on Plug straight RJ45 / IP20, cable length: 1 m

Network cable - NBC-MSD/ 2,0-93E/R4AC SCO - 1407361



Network cable, Ethernet CAT5 (100 Mbps), 4-position, PUR, water blue RAL 5021, shielded, Plug straight M12 SPEEDCON / IP67, coding: D, on Plug straight RJ45 / IP20, cable length: 2 m

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Accessories

Network cable - NBC-MSD/ 5,0-93E/R4AC SCO - 1407362



Network cable, Ethernet CAT5 (100 Mbps), 4-position, PUR, water blue RAL 5021, shielded, Plug straight M12 SPEEDCON / IP67, coding: D, on Plug straight RJ45 / IP20, cable length: 5 m

Data plug

RJ45 connector - VS-08-RJ45-5-Q/IP20 - 1656725



RJ45 connector, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: PA, connection method: IDC fast connection, connection cross section: AWG 26- 23, cable outlet: straight, color: traffic grey A RAL 7042, Ethernet

Mounting rail adapter

DIN rail adapter - FL EPA RMS - 2701133



Set for mounting devices with EPA design on a DIN rail

Sensor/actuator cable

Sensor/actuator cable - SAC-4P- 1,5-PUR/M12FS - 1668108



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 1.5 m

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Accessories

Sensor/actuator cable - SAC-4P- 3,0-PUR/M12FS - 1668111



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 3 m

Sensor/actuator cable - SAC-4P- 5,0-PUR/M12FS - 1668124



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 5 m

Sensor/actuator cable - SAC-4P-10,0-PUR/M12FS - 1683002



Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M12, coding: A, cable length: 10 m

Simulation software

Software - FL WST BASIC DEMO - 2692377



Simulation software for supporting the planning of wireless systems in industrial environments. Their functionality is limited with regard to the memory options as compared with the full version FL WST BASIC.

Software - FL WST BASIC - 2692254



Simulation software for supporting the planning of wireless systems in industrial environments. Thus, the later number and position of wireless components can be estimated and the quality of the radio coverage simulated.

