

# Wireless module - FL WLAN EPA - 2692791

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

## Why buy this product

- Integrated special antenna (EPA)
- Maximum security according to IEEE 802.11i with AES encryption
- 2.4 GHz and 5 GHz supported
- Protocol-transparent communication on Layer 2

## Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 127 (AX-2011)
GTIN	 4 046356 422420
Custom tariff number	85176200
Country of origin	SWEDEN

## Technical data

### Ethernet interface

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

### Wireless interface

Name	Wireless LAN
Wireless standard	IEEE 802.11
Wireless standard	b
Wireless standard	g
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Frequency band	2.4 GHz
Transmission power	max. 20 dBm (EIRP)
Receiver sensitivity	max.
Number of wireless interfaces	1 IEEE 802.11 b/g
Wireless modules that can be connected	1

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## Technical data

### 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
Current consumption	76 mA (at 24 V DC)

### Functions

Operating modes	Ethernet client adapter
Configuration	Web interface, MODE button, AT commands (TCP/IP), SSC
Automatic channel selection	Yes
Security	802.11i
Security	WPA PSK (preshared key)
Security	WPA2 PSK
Security	AES
Security	WEP 64 bit/128 bit
Security	TKIP

### Digital inputs

Number of inputs	1
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### General data

Width	66 mm
Height	91 mm
Depth	34 mm
Note on dimensions	Without M12 connections
Weight	120 g
Mounting type	Wall mounting
Ambient temperature (operation)	-30 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 90 % (no condensation)
Permissible humidity (storage/transport)	5 % ... 90 % (no condensation)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP65
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Conformance with EMC directives	Noise immunity test in accordance with EN 61000-6-2 EN 61000-6-4
Wireless licences	Belgium

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## Technical data

### General data

Wireless licences	Bulgaria
Wireless licences	Denmark
Wireless licences	Germany
Wireless licences	Estonia
Wireless licences	Finland
Wireless licences	France
Wireless licences	Greece
Wireless licences	Great Britain
Wireless licences	Ireland
Wireless licences	Iceland
Wireless licences	Italy
Wireless licences	Canada
Wireless licences	Latvia
Wireless licences	Liechtenstein
Wireless licences	Lithuania
Wireless licences	Luxembourg
Wireless licences	Malta
Wireless licences	The Netherlands
Wireless licences	Norway
Wireless licences	Austria
Wireless licences	Poland
Wireless licences	Portugal
Wireless licences	Romania
Wireless licences	Sweden
Wireless licences	Switzerland
Wireless licences	Slovakia
Wireless licences	Slovenia
Wireless licences	Spain
Wireless licences	Czech Republic
Wireless licences	Hungary
Wireless licences	USA
Wireless licences	Cyprus (rep.)

## Classifications

### eclass

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	27250501
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208

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## Classifications

etim

ETIM 2.0	EC001423
ETIM 3.0	EC001423
ETIM 4.0	EC001423

unspsc

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

## Accessories

Accessories

Assembly

DIN rail adapter - FL EPA RMS - 2701133

Set for mounting devices with EPA design on a DIN rail



Assembly adapters - 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



Cable/conductor

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



Bus system cable, Ethernet, 4-position, PUR halogen-free, water blue RAL 5021, shielded, Plug straight M12, D-coded, on Free cable end, Cable length: 2 m

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### Accessories

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



Bus system cable, Ethernet, 4-position, PUR halogen-free, water blue RAL 5021, shielded, Plug straight M12, D-coded, on Free cable end, Cable length: 5 m

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Network cable - VS-MSD-IP20-93E/1,0 - 1403498



Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26, stranded (7-wire), RAL 5021 (aqua blue), M12 connector to RJ45 connector/IP20, line, length 1 m

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Network cable - VS-M12MS-IP20-93E-LI/2,0 - 1406056



Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 plug on RJ45 plug/IP20, line, length 2 m

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Network cable - VS-MSD-IP20-93E/5,0 - 1403500



Assembled Ethernet cable, CAT5e, shielded, 2-pair, 26 AWG, stranded (7-wire), RAL 5021 (aqua blue), M12 connector to RJ45 connector/IP20, line, length 5 m

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Sensor/Actuator cable - SAC-4P- 1,0-PUR/M12FS - 1400420



Sensor/Actuator cable, 4-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Socket straight M12, A-coded, Cable length: 1 m

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Sensor/Actuator cable - SAC-4P- 2,0-PUR/M12FS - 1533576



Sensor/Actuator cable, 4-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Socket straight M12, A-coded, Cable length: 2 m

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### Accessories

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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, A-coded, Cable length: 3 m

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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, A-coded, Cable length: 5 m

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### Plug/Adapter

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



RJ45 plug-in connector, IP20, CAT5e, 8-pos., with QUICKON fast connection technology, for 26 ... 23 AWG 1-wire and 7-wire conductors, for 4.5 mm ... 8.0 mm cable diameter, labeling: TIA 568 B, color: gray

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### 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.

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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.

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