

Wireless set - FL BT EPA AIR SET - 2693091

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Factoryline Wireless Bluetooth Ethernet port adapter set; Bluetooth V2.0; 2.4 GHz frequency band; 1 wireless interface per module; WLAN black channel list; LEM; country approvals; IP65; M12 connection for 9 - 30 V DC and LAN; autocrossing, compatible with PROFINET and PROFIsafe


Your advantages

- Integrated special antenna (EPA)
- Range* of up to 200 m
- Protocol-transparent communication on Layer 2
- IP65 protection class
- WLAN coexistence functions AFH, LEM, black channel listing



Bluetooth

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 454926
GTIN	4046356454926

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 sea level)
Degree of protection	IP65

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Technical data

Ethernet interface

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

Wireless interface

Designation	Bluetooth
Wireless standard	Bluetooth 2.1 + EDR
Antenna connection method	(Internal)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Frequency band	2.4 GHz
Transmission power	max. 15 dBm (EIRP)
Number of wireless interfaces	1
Wireless modules that can be connected	1
Profiles supported	PAN

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	46 mA (at 24 V DC)
Current consumption	46 mA (per module at 24 V DC)

Functions

Operating modes	Ethernet client adapter
Configuration	Web interface, MODE button, AT commands (TCP/IP), SSC
Automatic channel selection	FHSS, AFH
Quality of service (QoS)	Yes
Security	128-bit data encryption
	Authentication
	PIN
	Non-discoverable

Digital inputs

Number of inputs	1
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General

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Technical data

General

Mounting type	Wall mounting
Net weight	490 g
Wireless licenses	Europe, 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
	Norway
	Austria
	Poland
	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Hungary
	USA
	Cyprus (rep.)
Mounting type	Wall mounting

Standards and Regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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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	19170100
eCl@ss 7.0	19170101
eCl@ss 8.0	19170101
eCl@ss 9.0	19170101

ETIM

ETIM 2.0	EC001423
ETIM 3.0	EC001423
ETIM 4.0	EC000515
ETIM 5.0	EC000515
ETIM 6.0	EC000515
ETIM 7.0	EC000515

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	43201404
UNSPSC 19.0	43201404

Accessories

Accessories

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.

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Accessories

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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