

FL BT EPA AIR SET - Wireless set



2693091

<https://www.phoenixcontact.com/us/products/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

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

Commercial data

Item number	2693091
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNN2B1
GTIN	4046356454926
Weight per piece (including packing)	1,086 g
Weight per piece (excluding packing)	490 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Product properties

Product type	Wireless module
Type	Stand-alone

Wireless card

Number	1
Assembly note	Permanently installed

Electrical properties

Maximum power dissipation for nominal condition	2.208 W
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Supply: 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)

Input data

Digital:

Number of inputs	1
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Interfaces

Ethernet

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

Antenna

Number	1
Connection method	permanently installed

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
Wireless licenses	Europe, additional countries in the e-shop

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Country support	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.)	

Wireless

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

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Dimensions

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

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

Mounting type	Panel mounting
	Panel mounting
Assembly note	Internal circularly polarized panel antenna

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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