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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Wireless module - FL BT EPA MP - 2701416

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Bluetooth Ethernet port adapter with external antenna connection for the wireless connection of Ethernet devices, BT access point and client mode, omnidirectional antenna supplied as standard

Product Description

Our Bluetooth modules can be used to easily, reliably, and cost-effectively integrate mobile or difficult to access automation devices or I/O modules into your Ethernet automation network.

With "black channel listing" and "low emission mode", Industrial Bluetooth can also be operated parallel to WLAN networks without any interference. Quick and straightforward startup with configuration via MODE button, web interface or directly from a controller is yet another feature of this solution.

Product Features

- External RSMA antenna connection
- Range* of up to 200 m
- Protocol-transparent communication on Layer 2
- IP65 protection class
- WLAN coexistence functions AFH, LEM, black channel listing



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	280.0 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 connections

Ambient conditions

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Technical data

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

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

Wireless interface

Designation	Bluetooth
Wireless standard	Bluetooth 2.1 + EDR
Antenna connection method	RSMA (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Frequency band	2.4 GHz
Transmission power	max. 12 dBm (EIRP)
Number of wireless interfaces	1
Wireless modules that can be connected	7
Profiles supported	PAN

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))
Length	83 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	46 mA (at 24 V DC)

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Technical data

Power supply for module electronics

Current consumption	46 mA (at 24 V DC)
	46 mA ((at 24 V DC, typical))

Functions

Operating modes	BT access point
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

Net weight	120 g
Mounting type	Wall mounting
Wireless licences	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Japan
	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.)
Mounting type	Wall mounting, optional DIN rail 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	27250501
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	19170101

ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC000515
ETIM 5.0	EC000515

UNSPSC

UNSPSC 6.01	20142601
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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Listed 

cUL Listed 

EAC

cULus Listed 
