

FL BLUETOOTH AP

Order No.: 2737999



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Factoryline Wireless Bluetooth Access Point, Bluetooth V2.0, 2.4 GHz frequency band, 1 wireless interface, WLAN-BlackChannelList, LEM, country approvals, IP20, COMBICON connection 9 - 30 V DC, RJ45 connection LAN, DSUB9-RS-232, SMA(f) antenna connection

Commercial data	
EAN	4046356042932
Pack	1
Customs tariff	85175090
Weight/Piece	246.50 g
Country of Origin	SE
Catalog page information	Page 214 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
14/11/2006



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Ethernet interface	
Interface	Ethernet
No.	1
Type of connection	RJ45 female connector

Wireless interface

Name	Bluetooth
Wireless standard	Bluetooth 2.0
Frequency range	ISM 2.4 GHz
Transmission capacity	max. 14 dBm (with automatic control)
Number of wireless interfaces	1
Wireless modules that can be connected	7
Profiles supported	LAP, PAN, SPP

Wireless card

No.	1
Type	Bluetooth 2.4 GHz up to 1 Mbps
Assembly instructions	Permanently installed

Antenna

Assembly instructions	External OMNI omnidirectional antenna, antennas can be exchanged
No.	1
Type of connection	SMA (male)

Power supply for module electronics

Type of connection	Via COMBICON
Supply voltage	24 V DC
Range of supply voltages	9 V DC ... 30 V DC
Supply current	200 mA
Current consumption	200 mA (for 24 V DC)

Functions

Operating modes	Access point / Ethernet client adapter / (COM server)
Configuration	Web-based management
Automatic channel selection	FHSS, AFH
Security	128 bit data encoding
	MAC filter
	Authentication
	PIN
	Non-discoverable

General data

Width	80 mm
Height	65 mm
Depth	25 mm
Weight	95 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 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP20
Class of protection	III

Wireless licences	Australia (Special rule: Please contact Sebastian Hube, shube@phoenixcontact.com)
	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
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	Italy
	Canada
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	Malta
	The Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Russia (For the import, a special agreement between the customer and Phoenix Contact is required. For more information, contact Sebastian Hube, shube@phoenixcontact.com)
	Sweden
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Certificates



Certification CUL Listed, UL Listed

Certification Ex: CUL-EX, UL-EX

Accessories

Item	Designation	Description
General		
2884949	FL BT ADAPTER	The DIN rail adapter is required to snap the Bluetooth devices FL BLUETOOTH AP, FL BT MOD IO AP, FL WLAN SPA and FL BT SPA onto a DIN rail. To do this, it is mounted on the respective device using the two enclosed screws.
Software		
2692254	FL WST BASIC	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.
2692377	FL WST BASIC DEMO CD	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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