Extract from the online catalog

FL BLUETOOTH AP

Order No.: 2737999



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2737999

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

Product notes

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

http://www.download.phoenixcontact.com
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. The General Terms and Conditions of Use apply to Internet downloads.

Commercial data

GTIN (EAN)	4 046356 042932
sales group	K004
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 214 (AX-2009)

Technical data

Ethernet interface

Interface	Ethernet
Number	1
Type of connection	RJ45 female connector

Wireless interface	
Name	Bluetooth
Wireless standard	Bluetooth 2.0
Frequency range	ISM 2.4 GHz
Frequency band	ISM 2.4 GHz
Transmission power	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	
Number	1
Type	Bluetooth 2.4 GHz up to 1 Mbps
Assembly instructions	Permanently installed

Antenna	
Assembly instructions	External OMNI antenna, antennas can be exchanged
Number	1
Type of connection	SMA (male)

Power supply for module electronics	
Type of connection	Via COMBICON
Supply voltage	24 V DC
Supply voltage range	9 V DC ... 30 V DC
Supply current	200 mA
Current consumption	200 mA (at 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 encryption
	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 % (no condensation)
Permissible humidity (storage/transport)	10 % ... 95 % (no condensation)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Wireless licences	Australia (Special rule: Please contact the Product Manager)
	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Israel
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	The Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Russia (Special rule: Please contact the Product Manager)
	Sweden
	Switzerland
	Singapore
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Turkey
	Hungary
	USA
	Cyprus (rep.)

Certificates / Approvals

Certification	CUL Listed, UL Listed
Certification Ex:	CUL-EX, UL-EX

Accessories

Item	Designation	Description
Antennas		
2884936	RAD-ISM-2400-ANT-CIR-8-0	Panel antenna with a special type of polarization (circular) for applications in a highly reflective environment (highly metallic industrial hall). The antenna prevents polarization loss and can attain higher profits in this environment.
2884923	RAD-ISM-2400-ANT-OMNI-5-0	Omni-directional antenna, degree of protection IP55, 5 dBi gain, linear vertical, SMA (male), impedance 50 ohms, apex angle h/v 360°/45°
2867610	RAD-ISM-2400-ANT-PAN- 8-0	Panel antenna, degree of protection IP55, 8 dBi gain, linear vertical, SMA (female), impedance 50 ohms, apex angle h/v 75°/70°
2885867	RAD-ISM-2400-ANT-VAN- 3-0-SMA	Omnidirectional antenna with protection against vandalism, 3 dBi gain, IP55 protection, 1.5 m cable length, SMA (male) connection, apex angle h/v 360°/85°.Appropriate assembly material is available for wall mounting.
2692526	RAD-ISM-2459-ANT-FOOD-6-0	Dual band omnidirectional antenna with protection against vandalism; IP68 protection; frequency band/gain: 2.4 GHz/up to 6 dBi, 5 GHz/up to 8 dBi; EN 50155; temperature range: -40°C to +80°C; N (f) connection; 1 m long adapter cable, N (m) - SMA (m) connection.
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	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.

Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg,Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
http://www.phoenixcontact.de

© 2011 Phoenix Contact
Technical modifications reserved;