


FL WLAN 24 EC 802-11

Order No.: 2884130



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Factoryline Wireless WLAN client, 24 V DC; PoE; IEEE 802.11 a/
b/g; 2.4 GHz; 5 GHz, client adapter; antenna diversity; web-based
management; 802.11i, WPA2, WPA-PSK, RADIUS, WEP, TKIP, AES

Commercial data	
GTIN (EAN)	 4 046356 049542
sales group	K004
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 126 (AX-2011)

Product notes

WEEE/RoHS-compliant since:
08/17/2006



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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.

Technical data

Ethernet interface	
Interface	Ethernet
Number	1
Connection method	RJ45 female connector

Wireless interface

Name	Wireless card
Wireless standard	IEEE 802.11
	a
	b
	g
	h
Frequency band	ISM 2.4 GHz
	5 GHz ISM
Transmission power	20 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802.11 a/b/g
Wireless modules that can be connected	256 (More than)

Wireless card

Number	1
Type	IEEE 802.11a/b/g, 2.4 and 5 GHz to 54 Mbps
Assembly instructions	Permanently installed

Antenna

Assembly instructions	External OMNI omnidirectional antenna, the antennas can be exchanged
Number	2
Connection method	RSMA (male)

Power supply for module electronics

Connection method	Via COMBICON
Supply voltage	24 V DC (PoE)
Supply voltage range	18.5 V DC ... 30.5 V DC
Supply current	400 mA (Recommended protection 2AT)
Current consumption	400 mA (Recommended protection 2AT)

Functions

Operating modes	Ethernet client adapter
Configuration	Multilingual web-based interface (German/English) under http or https, with password protection
Automatic channel selection	Yes
Quality of service (QoS)	Yes
Virtual LAN (VLAN) support 802.1Q	Yes

Security	WEP 64 bit/128 bit
	WEPplus
	WPA TKIP
	802.11i WPA2 (RSN, AES)
	WPA PSK (preshared key)
	WPA group & master rekeying

General data

Width	159 mm
Height	250 mm
Depth	65 mm
Weight	1300 g
Mounting type	Wall mounting on adapter plate
Ambient temperature (operation)	-20 °C ... 55 °C
Permissible humidity (operation)	10 % ... 85 % (no condensation)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Degree of protection	IP65
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Mechanical tests	Shock in acc. with IEC 60068-2-27:1997 25g
	Vibration (operation) in acc. with IEC 60068-2-6:1982 5g

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

Accessories

Item	Designation	Description
Antennas		
2692034	RAD-ISM-5200-ANT-OMNI-5-0	The antenna is required for the FL WLAN 24 / 230... devices from FW 3.0.1, if they are operated in the 5 GHz range (802.11a/h). It is an omnidirectional antenna with a 5 dBi gain. The antenna now fits directly onto the devices.
General		
2850863	PROJECT ENGINEERING	Our experienced Project Management team will guide you through all the important project phases and provide you with customized services.
Memory		
2692539	FL WLAN SIM	The SIM card is a replaceable configuration memory. It helps in saving the device settings for easy device replacement and commissioning of FL WLAN 24/230 modules.
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.

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