

Wireless module - FL WLAN 1101 - 2702538

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WLAN access point, client for USA and Canada, with two internal antennas for single-hole mounting, IP54, WLAN 802.11 a, b, g, n, frequency: 2.4 GHz, 5 GHz, connections: COMBICON 9 ... 32 V DC, RJ45: for LAN, web, http/https, Command Line Interface

The figure shows a version of the product



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 279398
GTIN	4055626279398
Weight per Piece (excluding packing)	366.800 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
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Dimensions

Width	62.8 mm
Height	36.5 mm
Depth	113.2 mm
Note on dimensions	Outside dimensions

Ambient conditions

Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	800 hPa ... 1080 hPa (up to 2000 m above sea level)

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Technical data

Ambient conditions

Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3500 m above sea level)
Degree of protection	IP54
Note	Degree of protection when installed

Wireless interface

Designation	Wireless LAN
Wireless standard	IEEE 802.11
	a
	b
	g
	n
Antenna connection method	(Internal)
Frequency band	2.4 GHz
	5 GHz
Transmission power	max. 20 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802. 11 a/b/g/n
Wireless modules that can be connected	10 (In Access Point mode max. 2 SSIDs)

Functions

Operating modes	Access Point / Client Adapter / Repeater
Configuration	Web-based management, automated CLI
Quality of service (QoS)	Yes
Security	802.11i
	WPA PSK (preshared key)
	WPA2
	AES
	TKIP
	MAC filter
	Supports 802.1X/RADIUS

Wireless card

Number	1
Type	IEEE 802.11 a/b/g/n 2.4 GHz and 5 GHz to 300 Mbps
Assembly instructions	Permanently installed

Antenna

Assembly instructions	Internal antenna
Number	2
Connection method	permanently installed
Note on the connection method	MIMO
Gain	5 dBi

Ethernet interface

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Technical data

Ethernet interface

Interface	Ethernet (RJ45)
Number of interfaces	1
Connection method	RJ45
Note on the connection method	Auto negotiation and autocrossing
Transmission speed	10/100 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)

Power supply for module electronics

Connection technology	COMBICON
Connection method	Push-in spring connection
Designation	1966101 FMC 1,5/ 3-STF-3,5
Number of positions	3
Cross section range AWG	24 ... 16 (Use copper wires rated 75° C (UL))
Note on the connection method	Recommended conductor cross section: 0.75 mm ² Recommended ferrule: connection length 10 mm Recommended crimping pliers: trapezoidal or square
Supply voltage	24 V DC (SELV)
Supply voltage range	18 V DC ... 32 V DC (PELV/SELV) 9 V DC ... 32 V DC (PELV/SELV (as of HW version 05))
Supply current	typ. 120 mA (at 24 V DC)
Current consumption	max. 250 mA (at 18 V DC) max. 400 mA (at 9 V DC)

Connection data

Designation	1966101 FMC 1,5/ 3-STF-3,5
Connection method	Push-in spring connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Stripping length	10 mm

General

Mounting type	Single-hole mounting
Color	black
Net weight	366.8 g
Degree of pollution	2
Note	Degree of protection when installed
Wireless licenses	USA, Canada

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General

Wireless licences	USA
	Canada

Standards and Regulations

Standards/regulations	FCC/CFR 47, Part 15.107
Test result	Class B
Overvoltage category	none

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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