

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)	360.000 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
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Technical data

Ambient conditions

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)
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

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Antenna

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

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

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Connection data

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
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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Classifications

eCl@ss

eCl@ss 10.0.1	19170501
eCl@ss 4.0	24010504
eCl@ss 4.1	24010504
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170200
eCl@ss 7.0	19170201
eCl@ss 8.0	19170201
eCl@ss 9.0	19170201

ETIM

ETIM 3.0	EC000817
ETIM 4.0	EC000816
ETIM 5.0	EC000816
ETIM 6.0	EC000816

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Classifications

ETIM

ETIM 7.0	EC000816
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UNSPSC

UNSPSC 6.01	43172710
UNSPSC 7.0901	43223108
UNSPSC 11	43172710
UNSPSC 12.01	43223108
UNSPSC 13.2	43223108
UNSPSC 18.0	43223108
UNSPSC 19.0	43223108
UNSPSC 20.0	43223108
UNSPSC 21.0	43223108

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cULus Listed			
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Accessories

Accessories

Adapter

Adapter - FL M32 ADAPTER - 2702544



Accessories for FL-WLAN 1100 series: Optional cable feed-through for sealing (IP67) the FL-WLAN 110x connection (IP20), if the device is not directly integrated onto the closed housing. Not needed when mounting on a control cabinet, etc.

Data plug

RJ45 connector - CUC-IND-C1ZNI-S/R4IE8 - 1421607



RJ45 connector, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Zinc die-cast, connection method: IDC fast connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green

Patch cable

Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

PCB plug

Printed-circuit board connector - FMC 1,5/ 3-STF-3,5 - 1966101



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 3, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin