

FL WLAN 2101 - Wireless module



2702540

<https://www.phoenixcontact.com/us/products/2702540>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



WLAN access point, client for USA and Canada, with 2 internal antennas for single-hole mounting, IP66/IP68, 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, CLI

Commercial data

Item number	2702540
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN26
Product key	DNN2W4
Catalog page	Page 373 (C-6-2019)
GTIN	4055626279503
Weight per piece (including packing)	375 g
Weight per piece (excluding packing)	337 g
Customs tariff number	85176200
Country of origin	DE

FL WLAN 2101 - Wireless module



2702540

<https://www.phoenixcontact.com/us/products/2702540>

Technical data

Notes

Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
---------	--

Product properties

Type	Stand-Alone
Product type	Wireless module

Insulation characteristics

Overvoltage category	none
Pollution degree	2

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

Electrical properties

Supply: Module electronics

Connection technology	COMBICON
Connection method	Push-in spring connection
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
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))
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 (HW version 06 or later))
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

1966101 FMC 1,5/ 3-STF-3,5

Connection method	Push-in spring connection
Conductor cross section, rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross section, flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross section AWG	24 ... 16

FL WLAN 2101 - Wireless module



2702540

<https://www.phoenixcontact.com/us/products/2702540>

Stripping length	10 mm
------------------	-------

Interfaces

Antenna

Number	2
Connection method	permanently installed
Note on the connection method	MIMO
Gain	5 dBi

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 licenses	USA, Canada
Country support	USA
	Canada

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)
No. of channels	1 (RJ45 ports)

Wireless

Designation	Wireless LAN
Antenna connection method	(Internal)
Frequency band	2.4 GHz
	5 GHz
Wireless standard	WLAN
	IEEE 802.11
	a
	b
	g
	n
Transmission power	max. 20 dBm (EIRP)

FL WLAN 2101 - Wireless module

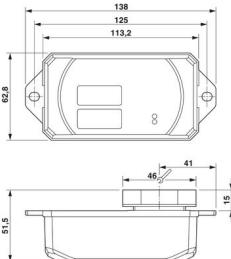


2702540

<https://www.phoenixcontact.com/us/products/2702540>

Number of wireless interfaces	1 IEEE 802. 11 a/b/g/n
Wireless modules that can be connected	60 (In access point mode)

Dimensions

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

Material specifications

Material base plate	Die-cast zinc, nickel-plated
Housing material	Polycarbonate, PC

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP66
	IP67
	IP68
Ambient temperature (operation)	-40 °C ... 60 °C
Note	Degree of protection when installed
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)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

EMC data

Electrostatic discharge

Standards/regulations	EN 61000-4-2
-----------------------	--------------

Electrostatic discharge

Contact discharge	± 4 kV
Discharge in air	± 8 kV
Indirect discharge	± 6 kV

FL WLAN 2101 - Wireless module



2702540

<https://www.phoenixcontact.com/us/products/2702540>

Electromagnetic HF field

Standards/regulations	EN 61000-4-3
-----------------------	--------------

Electromagnetic HF field

Frequency range	80 MHz ... 1000 MHz
Test field strength	10 V/m
Frequency range	1000 MHz ... 6000 MHz
Test field strength	3 V/m

Fast transients (burst)

Standards/regulations	EN 61000-4-4
-----------------------	--------------

Fast transients (burst)

Comments	±2.2 kV
----------	---------

Surge current load (surge)

Standards/regulations	EN 61000-4-5
-----------------------	--------------

Surge current load (surge)

Signal	± 0.5 kV (symmetrical)
	± 1 kV (asymmetrical)

Conducted interference

Standards/regulations	EN 61000-4-6
-----------------------	--------------

Conducted interference

Frequency range	0.15 MHz ... 80 MHz
Voltage	10 V

Emitted interference

Standards/regulations	FCC/CFR 47, Part 15.107
Test result	Class B

Emitted interference

Standards/regulations	FCC/CFR 47, Part 15.109
Test result	Class A

Emitted interference

Standards/regulations	ICES-003 Issue 6 section 6.1
Test result	Class B

Emitted interference

Standards/regulations	ICES-003 Issue 6 section 6.2
Test result	Class A

Mounting

Mounting type	Single-hole mounting
Assembly instructions	Internal antenna

FL WLAN 2101 - Wireless module

2702540

<https://www.phoenixcontact.com/us/products/2702540>



Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com