

FL WLAN 2011 - Wireless module



1119248

<https://www.phoenixcontact.com/us/products/1119248>

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WLAN access point, client, mesh for USA and Canada, with two external antenna connections (RSMA-F), IP20, WLAN 802.11a, b, g, n, frequency: 2.4 GHz, 5 GHz, connections: COMBICON 9 V DC ... 32 V DC, RJ45: for LAN, web, http/https, CLI, REST API

Commercial data

Item number	1119248
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN26
Product key	DNN2W4
GTIN	4063151048853
Weight per piece (including packing)	263 g
Weight per piece (excluding packing)	248.3 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Trade restriction

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

Product type	Wireless module
Application	Ethernet
Type	Stand-Alone

Data management status

Article revision	03
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Insulation characteristics

Pollution degree	2
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Wireless card

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

Electrical properties

Maximum power dissipation for nominal condition	4.1 W
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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	1128752 FMC 1,5/ 3-ST-3,5-RF GY35BD1-3
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	9 V DC ... 32 V DC (PELV/SELV)
Supply current	typ. 170 mA (at 24 V DC)
Current consumption	max. 600 mA (at 9 V DC)

Connection data

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Connection method	Push-in spring connection
Conductor cross section, rigid	0.2 mm² ... 1.5 mm²
Conductor cross section, flexible	0.2 mm² ... 1.5 mm²
Conductor cross section AWG	24 ... 16
Stripping length	10 mm

Interfaces

Antenna

Number	2
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Functions

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

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	RSMA (female)
Frequency band	2.4 GHz
	5 GHz
Wireless standard	WLAN
	IEEE 802.11
	a
	b
	g
	n
	Wi-Fi 4
Transmission power	max. 19 dBm (with two antennas)
Number of wireless interfaces	1 IEEE 802. 11 a/b/g/n

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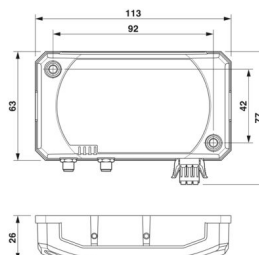
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Wireless modules that can be connected

60 (In access point mode)

Dimensions

Dimensional drawing



Width

63 mm

Height

26 mm

Depth

113 mm

Note on dimensions

Installed dimensions without connector

Material specifications

Material base plate

Die-cast zinc, nickel-plated

Housing material

Polycarbonate, PC

Environmental and real-life conditions

Ambient conditions

Degree of protection

IP20

Ambient temperature (operation)

-40 °C ... 60 °C

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

± 6 kV

Discharge in air

± 8 kV

Indirect discharge

± 6 kV

Electromagnetic HF field

Standards/regulations

EN 61000-4-3

Electromagnetic HF field

Frequency range

80 MHz ... 1000 MHz

Test field strength

10 V/m

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

Fast transients (burst)

Standards/regulations	EN 61000-4-4
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Fast transients (burst)

Comments	±2.2 kV
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Surge current load (surge)

Standards/regulations	EN 61000-4-5
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Surge current load (surge)

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

Conducted interference

Standards/regulations	EN 61000-4-6
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Conducted interference

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

Emitted interference

Standards/regulations	EN 55022
Test result	Class B

Mounting

Mounting type	Wall mounting, optional DIN rail adapter
Assembly note	Antennas not included in scope of supply

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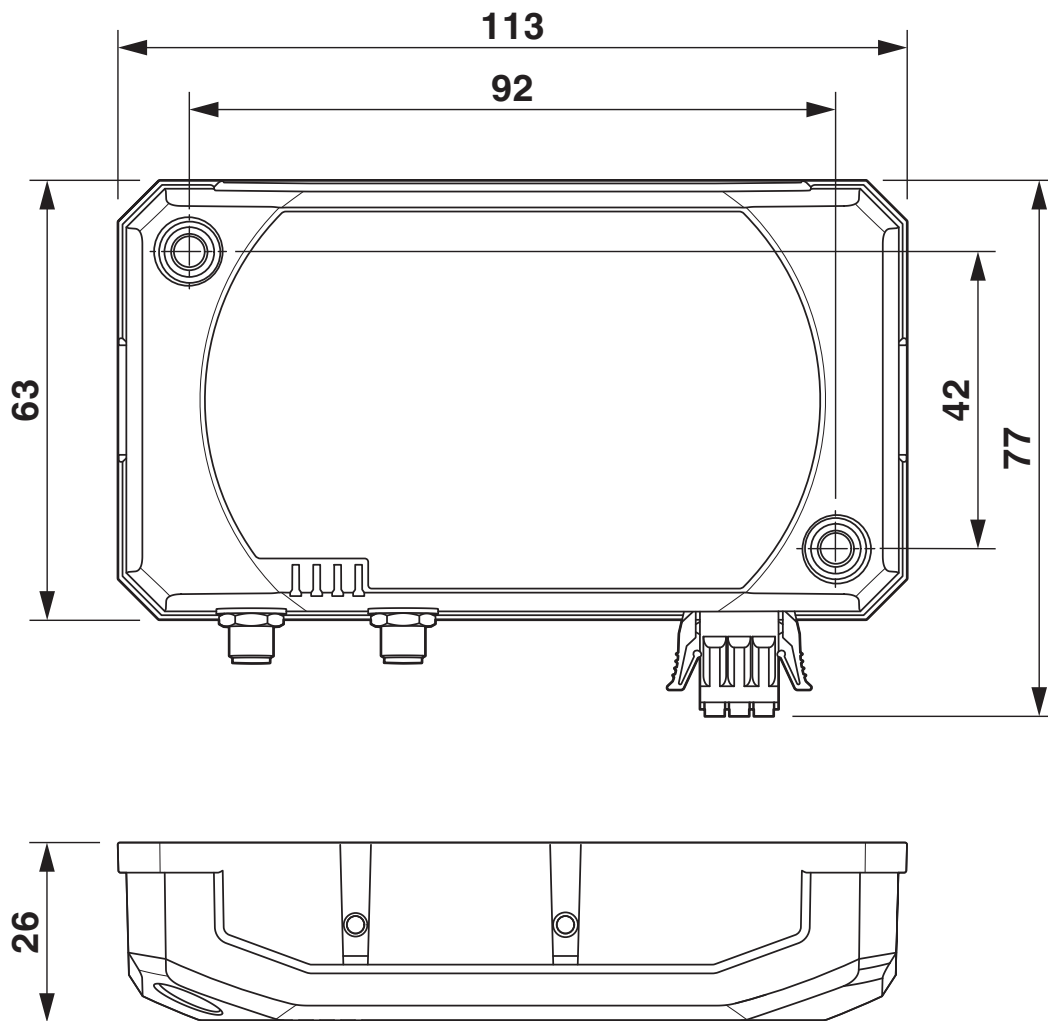


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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1119248>



cULus Listed

Approval ID: E238705

FCC

Approval ID: YG3-SXPCEAN2



IECEX

Approval ID: IECEX ULD 21.0003X



cULus Listed

Approval ID: E366272

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Classifications

ECLASS

ECLASS-11.0	19170501
ECLASS-12.0	19170501
ECLASS-13.0	19170501

ETIM

ETIM 9.0	EC000816
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UNSPSC

UNSPSC 21.0	43222600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9)

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