

FL WLAN 5102 - Wireless module



2701850

<https://www.phoenixcontact.com/us/products/2701850>

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 for Japan, client, WLAN 802.11 a, b, g, n, frequency 2.4 GHz, 5 GHz, IP20, connections: COMBICON for 10 V DC ... 36 V DC, 2x RJ45 for LAN, central cluster management, WBM, MIMO technology, 802.11i: WPA2, WPA-PSK, TKIP, AES

Commercial data

Item number	2701850
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNN2W4
GTIN	4046356924962
Weight per piece (including packing)	525 g
Weight per piece (excluding packing)	418 g
Customs tariff number	85176200
Country of origin	DE

2701850

<https://www.phoenixcontact.com/us/products/2701850>

Technical data

Product properties

Product type	Wireless module
Type	Stand-alone

Insulation characteristics

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 note	Permanently installed

Electrical properties

Maximum power dissipation for nominal condition	4.8 W
-------------------------------------------------	-------

Supply: Module electronics

Connection method	Via COMBICON
Supply voltage	24 V DC
Supply voltage range	10 V DC ... 36 V DC
Supply current	200 mA

Interfaces

Ethernet

Interface	Ethernet
Number	2
Connection method	RJ45 jack

Antenna

Number	3
--------	---

Functions

Operating modes	Access point/client adapter/repeater/WDS bridge
Basic functions	SNMP (V2/V3), CLI, WPS, DHCP, DCP, BootP, HTTP, HTTPS, Syslog, SD card, dual FW image, 1 x DI, 1 x DO, 2 x Ethernet 10/100 Mbit, auto crossover, auto negotiation, MODE button
Configuration	Cluster management, web-based management, WPS
Automatic channel selection	yes
Security	802.11i
	WPA PSK (preshared key)
	WPA2
	AES
	TKIP
	Supports 802.1X/RADIUS
	MAC filter

FL WLAN 5102 - Wireless module



2701850

<https://www.phoenixcontact.com/us/products/2701850>

Wireless

Designation	Wireless LAN
Antenna connection method	RSMA (female)
Number	3
Frequency band	2.4 GHz 5 GHz
Wireless standard	WLAN IEEE 802.11 a b g n
Transmission power	max. 11 dBm
Number of wireless interfaces	1 IEEE 802.11 a/b/g/n

Dimensions

Width	40 mm
Height	109 mm
Depth	109 mm
Note on dimensions	Height with antenna socket, without antenna cable

Material specifications

Color	silver gray
-------	-------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C (extended temperature range on request)
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 ... 80 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	30g
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	5g

Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
------------------	---------------------------------------

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

FL WLAN 5102 - Wireless module



2701850

<https://www.phoenixcontact.com/us/products/2701850>

Assembly note

Antennas not included in scope of supply

FL WLAN 5102 - Wireless module



2701850

<https://www.phoenixcontact.com/us/products/2701850>

Environmental product compliance

EU RoHS

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

Phoenix Contact 2026 © - 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