

FL WLAN 5102 - Wireless module



2701850

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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

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Technical data

Product properties

Product type	Wireless module
Type	Stand-alone

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	4.8 W
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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
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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

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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
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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)
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Mounting

Mounting type	DIN rail mounting
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Assembly note

Antennas not included in scope of supply

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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)
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