

Wireless module - FL WLAN 5111 - 1043201


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WLAN access point for USA/Canada (FCC/IC), client, WLAN 802.11 a, b, g, n, frequency: 2.4 GHz, 5 GHz, IP20, connections: COMBICON for 10 ... 36 V DC, 2x RJ45 for LAN, central cluster management, WBM, 2 antennas (MIMO), 802.11i: WPA2, WPA-PSK, TKIP, AES

WLAN

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 601083
GTIN	4055626601083

Technical data

Dimensions

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

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (extended temperature range on request)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 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	IP20

Wireless interface

Designation	Wireless LAN
Wireless standard	IEEE 802.11
	a
	b
	g
	n

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Technical data

Wireless interface

Antenna connection method	RSMA (female)
Number	2
Frequency band	2,4 GHz
	5 GHz
Transmission power	max. 20 dBm
Number of wireless interfaces	1 IEEE 802. 11 a/b/g/n

Functions

Operating modes	Access Point / Client Adapter / Repeater
Configuration	Cluster management, web-based management, WPS
Security	802.11i
	WPA PSK (preshared key)
	WPA2
	AES
	TKIP
	Supports 802.1X/RADIUS
	MAC filter

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

Antenna

Assembly instructions	Antennas not included in scope of supply
Number	2

Ethernet interface

Interface	Ethernet (RJ45)
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)
Signal LEDs	Data receive, link status

Power supply for module electronics

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

General

Mounting type	DIN rail
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Technical data

General

Net weight	540.3 g
Degree of pollution	2
Wireless licenses	USA, Canada

Standards and Regulations

Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g, 11 ms half-sine shock pulse
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g, 10 ... 150 Hz
	Continuous shock according to EN 60068-2-27/IEC 60068-2-27 10g, 16 ms, 6000 shocks
	Broadband noise according to EN 60068-2-64 Category 1, Class B
Standards/regulations	EN 61000-4-2
Contact discharge	± 6 kV
Indirect discharge	± 6 kV
Standards/regulations	EN 61000-4-3
	EN 61000-4-4
Comments	± 2.2 kV
Standards/regulations	EN 55022
Test result	Class B

Approvals

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UL Listed / cUL Listed / UL Listed / cUL 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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