

Wireless module - FL WLAN 5110 - 1043193


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WLAN access point, 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, 802.11i: WPA2, WPA-PSK, TKIP, AES, connections for 2 antennas (MIMO technology)



Key Commercial Data

Packing unit	1 pc
GTIN	 4 0 5 5 6 2 6 5 9 9 9 7 7
GTIN	4055626599977
Weight per Piece (excluding packing)	520.000 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

Utilization restriction	Use in potentially explosive areas is not permitted in China.
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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)

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Ambient conditions

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
Antenna connection method	RSMA (female)
Number	2
Wireless standard	IEEE 802.11
	a
	b
	g
	n
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
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

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

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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
Color	silver gray
Net weight	530 g
Degree of pollution	2
Wireless licenses	EU, more countries in e-shop
Wireless licences	Belgium
	Bulgaria
	China
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Latvia
	Liechtenstein

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General

	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Hungary
	Cyprus (rep.)
	South Korea
	Thailand
	Japan

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

Environmental Product Compliance

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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	19170501
eCl@ss 11.0	19170501
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170200
eCl@ss 7.0	19170201
eCl@ss 9.0	19170201

ETIM

ETIM 6.0	EC000816
ETIM 7.0	EC000816

Approvals

Approvals

Approvals

EAC / KC / ANATEL

Ex Approvals

Approval details

EAC		RU*-DE.*.B.00741/19
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Approvals

KC		http://eng.kcc.go.kr/user/ehpMain.do	R-R-PCK-1043193
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ANATEL		https://sistemas.anatel.gov.br/mosaico/sch/publicView/listarProdutosHomologados.xhtml	04707-19-06497
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