

FL WLAN 24 EC 802-11-US - Wireless module



2700449

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WLAN client for the USA and Canada, 24 V DC, PoE; IEEE 802.11 a/b/g; 2.4 GHz; 5 GHz, client adapter; antenna diversity; web-based management; 802.11i, WPA2, WPA-PSK, RADIUS, WEP, TKIP, AES

Your advantages

- Protocol-transparent communication on Layer 2
- 2.4 GHz and 5 GHz supported
- Maximum security according to IEEE 802.11i with AES encryption
- Integrated special antenna (EPA)

Commercial data

Item number	2700449
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNN2W1
GTIN	4046356553032
Weight per piece (including packing)	1.3 kg
Weight per piece (excluding packing)	1.3 kg
Customs tariff number	85176200
Country of origin	DE

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Technical data

Product properties

Product type	Wireless module
Type	Stand-alone

Wireless card

Number	1
Type	IEEE 802.11a/b/g, 2.4 and 5 GHz to 54 Mbps
Assembly note	Permanently installed

Electrical properties

Maximum power dissipation for nominal condition	9.6 W
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Supply: Module electronics

Connection method	Via COMBICON
Supply voltage	24 V DC (PoE)
Supply voltage range	18.5 V DC ... 30.5 V DC
Supply current	400 mA (Recommended protection 2AT)

Interfaces

Ethernet

Interface	Ethernet
Number	1
Connection method	RJ45 jack

Antenna

Number	2
Connection method	RSMA (male)

Functions

Operating modes	Ethernet client adapter
Configuration	Multilingual web-based interface (German/English) under http or https, with password protection
Automatic channel selection	yes
Quality of service (QoS)	Yes
Virtual LAN (VLAN) support 802.1Q	yes
Security	WEP 64 bit/128 bit
	WEPplus
	WPA TKIP
	802.11i WPA2 (RSN,AES)
	WPA PSK (preshared key)
	WPA group & master rekeying
Wireless licenses	USA, Canada
Country support	USA

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	Canada
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Wireless

Designation	Wireless card
Antenna connection method	RSMA (female)
Frequency band	2.4 GHz 5 GHz
Wireless standard	WLAN IEEE 802.11 a b g h
Transmission power	20 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802.11 a/b/g
Wireless modules that can be connected	256 (More than)

Dimensions

Width	159 mm
Height	250 mm
Depth	65 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-20 °C ... 55 °C
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above sea level)
Permissible humidity (operation)	10 % ... 85 % (non-condensing)

Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	25g
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	Adapter plate Panel mounting on adapter plate
Assembly note	External OMNI omnidirectional antenna, the antennas can be exchanged

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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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