


FL WLAN 5100

Order No.: 2700718



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 3 antennas (MIMO technology)

Commercial data

EAN	
Pack	1
Customs tariff	85176200
Gross weight in pieces	566.30 g
Country of Origin	DE

Product notes

WEEE/RoHS-compliant since:
19/01/2011



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Ethernet interface

Interface	Ethernet
Number	2
Connection method	RJ45 female connector

Wireless interface

Name	Wireless LAN
Wireless standard	IEEE 802.11
	a
	b
	g
	n
Frequency band	2.4 GHz
	5 GHz
Transmission power	max. 23 dBm (EIRP)
Number of wireless interfaces	1 IEEE a/b/g/n

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	3

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

Functions

Operating modes	Access point/client adapter/repeater/WDS bridge
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

General data

Width	40 mm
Height	109 mm
Depth	109 mm
Note on dimensions	Height with antenna socket, without antenna cable
Weight	418 g
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 60 °C (Extended temperature range on request)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Permissible humidity (operation)	10 % ... 80 % (no condensation)
Permissible humidity (storage/transport)	10 % ... 95 % (no condensation)
Air pressure (operation)	800 hPa ... 1080 hPa (up to 2000 m above mean sea level)
Air pressure (storage/transport)	660 hPa ... 1080 hPa (up to 3500 m above mean sea level)
Pollution degree	2
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Mechanical tests	Shock in acc. with IEC 60068-2-27:1997 30 g
	Vibration (operation) in acc. with IEC 60068-2-6:1982 5g
	Free fall in acc. with IEC 60068-2-32

Wireless licences	Belgium
	Bulgaria
	Denmark
	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	The Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Sweden
	Switzerland
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Hungary
	Cyprus (rep.)

Certificates

Certification

Certifications applied for:

Certification Ex:

Accessories

Item	Designation	Description
Antennas		
2701186	ANT-DIR-2459-01	Panel antenna, 2.4 / 5 GHz, 9 dBi, linear vertical, N (female), IP67
2701408	ANT-OMNI-2459-02	Omnidirectional antenna, 2.4 GHz/5 GHz, 2.5/5 dBi gain, linear vertical polarization, apex angle 2.4 GHz h/v 360°/30°, 5 GHz h/v 360°/16°, N (male), IP68
2885919	RAD-ISM-2400-ANT-OMNI-6-0	Omnidirectional antenna, 2.4 GHz, 6 dBi, linear vertical, N (female), IP55, 50 Ohm impedance

Assembly

2701204	FL RUGGED BOX	Control box for rugged construction of wireless systems for industrial applications, IP65, 25 x 18 x 13 cm, polycarbonate material, gray, drilled, including DIN rail, plugs, and screw connections, without devices
2701430	FL RUGGED BOX OMNI-1	IP65 control box set for constructing wireless systems for industrial applications, incl. three 2.4/5 GHz omnidirectional antennas that can be directly screwed on, with DIN rail, plugs, and screw connections, without devices
2701439	FL RUGGED BOX OMNI-2	Control box set for constructing wireless systems for industrial applications, incl. three 2.4/5 GHz IP65 omnidirectional antennas that can be directly screwed on, with DIN rail, plugs, and screw connections, with 100 ... 240 V power supply unit, without devices

Cable/conductor

2903263	RAD-PIG-RSMA/N-0.5	Antenna cable, 0.5 m in length; N (male) -> RSMA (male), impedance 50 ohms
2903264	RAD-PIG-RSMA/N-1	Antenna cable, 1 m in length; N (male) -> RSMA (male), impedance 50 ohms
2903266	RAD-PIG-RSMA/N-3	Antenna cable, 3 m in length; N (male) -> RSMA (male), impedance 50 ohms

Plug/Adapter

2701402	RAD-PIG-EF316-N-RSMA	Adapter cable, pigtail 50 cm, N (female) -> RSMA (male), insertion loss 0.75 dB at 2.4 GHz; 1.25 dB at 5 GHz, impedance 50 Ohm;
---------	----------------------	---------------------------------------------------------------------------------------------------------------------------------

Address

PHOENIX CONTACT Ltd
Halesfield 13
Telford / Shropshire / TF7 4PG,England
Phone 01952 681 700
Fax 01952 681 799
<http://www.phoenixcontact.co.uk>



Phoenix Contact Ltd.
Technical modifications reserved;