PHŒNIX CONTACT

Access Point - RAD-80211-XD - 2885728

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WLAN access point, 24 V DC; IEEE 802.11 a/b/g; 2.4 GHz; 5 GHz, client adapter, bridge; antenna diversity; Wi-Fi compliant; web-based management; 802.11i, DIN rail mounting, without antenna

RoHS

WLAN

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	294.840 g
Custom tariff number	85176200
Country of origin	Canada

Technical data

Dimensions

Width	45 mm
Height	99 mm
Depth	115 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 65 °C
Permissible humidity (operation)	5 % ... 90 % (non-condensing)
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above sea level)
Degree of protection	IP20

Interfaces

Connection method	D-SUB 9, COMBICON
Protocols supported	RS-232, RS-485, RS-422

Ethernet interface

Number	1

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Technical data

Ethernet interface

Connection method	RJ45 socket
	D-SUB 9, COMBICON

Wireless interface

Wireless standard	IEEE 802.11
	a
	b
	g
	h
Antenna connection method	MCX (female)
Frequency band	ISM 2.4 GHz
	ISM 5 GHz
Transmission power	20 dBm (EIRP)
Number of wireless interfaces	1 IEEE 802.11 a/b/g

Antenna

Assembly instructions	Antenna not included
Number	1

Power supply for module electronics

Connection method	Via COMBICON
Supply voltage	24 V DC
Supply voltage range	12 V DC ... 30 V DC
Supply current	500 mA

Functions

Operating modes	Access point, client, bridge
Configuration	Web-based management
Automatic channel selection	Yes
Security	WEP 64 bit/128 bit
	WPA TKIP
	802.11i WPA2 (AES)

General

Net weight	300 g
Wireless licenses	USA, Canada
Mounting type	DIN rail mounting

Standards and Regulations

Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 25g
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g

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Standards and Regulations

UL, USA/Canada	Class I, Div. 2, Groups A, B, C, D

Classifications

eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	19030112
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208

ETIM

ETIM 2.0	EC001423
ETIM 3.0	EC001423
ETIM 4.0	EC001423
ETIM 5.0	EC001423

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

Accessories

Accessories

Antenna

Antenna - RAD-ISM-2400-ANT-OMNI-2-1 - 2867461

Omnidirectional antenna, 2.4 GHz, gain: 2 dBi, polarization: linear, opening angle: h/v 360°/75°, degree of protection: IP65, connection: MCX (male), incl. 1.5 m / 5 ft. connecting cable and mounting bracket for wall mounting

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Accessories

Antenna - RAD-ISM-2400-ANT-VAN- 3-1-MCX - 2885702

Omnidirectional antenna with protection against vandalism, 2.4 GHz, gain: 3 dBi, polarization: linear, opening angle: h/v 360°/85°, degree of protection: IP55, connection: MCX (male), for control cabinet mounting (optional wall mounting), incl. 1.5 m / 5 ft. connecting cable

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Antenna - RAD-ISM-2400-ANT-OMNI-9-0 - 2867623

Omnidirectional antenna, 2.4 GHz, gain: 9 dBi, polarization: linear, opening angle: h/v 360°/15°, degree of protection: IP65, connection: N (female), incl. mounting bracket and mast clips

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Antenna - RAD-ISM-2400-ANT-PAN- 8-0 - 2867610

Directional antenna, 2.4 GHz, gain: 8 dBi, polarization: linear, opening angle: h/v 75°/70°, degree of protection: IP55, connection: SMA (female), incl. mounting bracket and mast clips

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Antenna - RAD-ISM-2400-ANT-PAR-19-0 - 2867885

Directional antenna, 2.4 GHz, gain: 19 dBi, polarization: linear, opening angle: h/v 17°/11°, degree of protection: IP65, connection: N (female), incl. mounting bracket and mast clips

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Antenna - RAD-ISM-2400-ANT-OMNI-6-0 - 2885919

Omnidirectional antenna, 2.4 GHz, gain: 6 dBi, polarization: linear, opening angle: h/v 360°/30°, degree of protection: IP67, seawater-resistant, connection: N (female), incl. mounting bracket and mast clips, ATEX and IECEx approval

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Configuration set

Access Point - RAD-80211-XD - 2885728

Accessories

Configuration set - RAD-ISM-2400-DATA-CONFIG-KIT - 2885838

Configuration set, consisting of configuration software RAD Link 3.1, Quick Start Guide and User Manual in printed form and interface cable (D-SUB 9 to USB)

Solar set

Solar system - RAD-SOL-SET-24-100 - 2885472

24 V / 100 Wp solar system for worldwide use. Consisting of a solar panel, prewired control cabinet with charge controller, solar batteries, fuses, surge protection and assembly material (including mast clips).