

# RAD-80211-XD/HP-BUS

Order No.: 2900047




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2900047>

High power WLAN wireless transceiver (transmitter and receiver) with Ethernet, RS-232, RS-485/RS-422 interface and bus foot for use in I/O extension modules, for 2400 MHz ISM band



Ethernet

## Commercial data

GTIN (EAN)	 4 046356 461573
Note	Made-to-order
sales group	H172
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 675 (IF-2011)

## Product notes

WEEE/RoHS-compliant since:  
11/03/2008



<http://www.download.phoenixcontact.com>  
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## Technical data

### Wireless set

Set contents	1 transceiver
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### Wireless path

Direction	Bi-directional
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Frequency range	2.4032 GHz ... 2.4799 GHz
Transmission power	400 mW

#### Serial interface

Name	RS-232
Data rate	300 ... 57,6 kBit/s
Connection method	9-pos. D-SUB (female connector)
File format/coding	Asynchronous
Data flow control/protocols	RTS/CTS
Name	RS-485/RS-422
Data rate	300 ... 57,6 kBit/s
Connection method	COMBICON plug-in screw terminal block

#### Supply

Supply voltage	24 V DC
Supply voltage range	12 V DC ... 30 V DC
Typical current consumption	230 mA
Max. current consumption	280 mA
Nominal power consumption	5.52 W

#### General data

Width	45 mm
Height	99 mm
Depth	115 mm
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 60 °C
Degree of protection	IP20
Mounting position	Any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Housing material	Polyamide PA non-reinforced
Conformance	FCC Directive, Part 15.247 ISC Directive RSS 210
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

#### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>

Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

### Certificates / Approvals

Certification Ex: CUL-EX LIS, UL-EX LIS

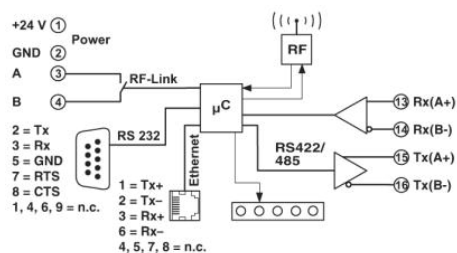
### Accessories

Item	Designation	Description
<b>Antennas</b>		
2867461	RAD-ISM-2400-ANT-OMNI-2-1	Omni-directional antenna, IP65 degree of protection, linear vertical, 2 dBi gain, cable length 1.5 m, MCX (male) connection, impedance 50 Ω, apex angle h/v 360°/75°
2885919	RAD-ISM-2400-ANT-OMNI-6-0	Omni-directional antenna, degree of protection IP55, 6 dBi gain, linear vertical, N (female), impedance 50 ohms, apex angle h/v 360°/30°
2867623	RAD-ISM-2400-ANT-OMNI-9-0	Omni-directional antenna, IP65 degree of protection, 9 dBi gain, linear vertical, N (female) connection, impedance 50 ohms, apex angle h/v 360°/15°
2867610	RAD-ISM-2400-ANT-PAN- 8-0	Panel antenna, degree of protection IP55, 8 dBi gain, linear vertical, SMA (female), impedance 50 ohms, apex angle h/v 75°/70°
2867885	RAD-ISM-2400-ANT-PAR-19-0	Parabolic antenna, IP65 degree of protection, 19 dBi gain, linear vertical, N (female) connection, impedance 50 Ω, apex angle h/v 17°/11°
2885702	RAD-ISM-2400-ANT-VAN- 3-1-MCX	Omni-directional antenna with vandalism protection, gain 3 dBi, degree of protection IP55, cable length 1.5 m, MCX connection (male), apex angle h/v 360°/85°, corresponding material available for panel mounting.
<b>General</b>		
2885838	RAD-ISM-2400-DATA-CONFIG-KIT	Configuration set, consisting of configuration software RAD Link 3.1, Quick Start Guide and User Manual in printed form and interface cable (D-SUB9 to USB)

2885472	RAD-SOL-SET-24-100	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).
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**Diagrams/Drawings**

Block diagram



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