

RAD-ISM-900-EN-BD/B - Wireless module



2901205

<https://www.phoenixcontact.com/us/products/2901205>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Wireless transceiver (transmitter and receiver) with Ethernet for 900 MHz ISM band (America). This is a slave-only device that communicates with either the RAD-ISM-900-EN-BD or RAD-ISM-900-EN-BD-BUS configured as the master. This product is exclusively for export outside of the European Economic Area (EEA).

Your advantages

- Frequency hopping spread spectrum
- Can be programmed for point-to-point, point-to-multipoint, and multipoint-to-point configurations
- Provides an interface for data transmission between a 900 MHz wireless transmission system and Ethernet, RS-232, RS-422 or RS-485 interfaces
- Secure data transmission with 128/192/256-bit AES encryption
- Supports TCP/IP, UDP, and IPv4 protocols
- Operates in the license-free 902 MHz ... 928 MHz ISM band
- Includes a transmitter that can be set from 10 mW ... 1 W

Commercial data

Item number	2901205
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNC651
GTIN	4046356586740
Weight per piece (including packing)	362 g
Weight per piece (excluding packing)	362 g
Customs tariff number	85176200
Country of origin	CA

Technical data

Product properties

Product type	Wireless module
--------------	-----------------

Electrical properties

Supply

Supply voltage	24 V DC
Supply voltage range	11 V DC ... 30 V DC
Max. current consumption	250 mA (at 24 V DC)

Connection data

Connection method	Screw connection
Stripping length	8 mm
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 14
Screw thread	M3

Interfaces

Wireless

Direction	Bi-directional
Frequency	900 MHz
Frequency range	902 MHz ... 928 MHz
Transmission power	1 W (adjustable in 1 dBm increments)
Transmit capacity, minimum	10 dBm
Transmit capacity, maximum	30 dBm

Functions

Operating modes	bidirectional
-----------------	---------------

Wireless

Frequency band	900 MHz
----------------	---------

Dimensions

Width	52 mm
Height	99 mm
Depth	114.5 mm

Material specifications

Color	green
Housing material	Polyamide PA non-reinforced with aluminum heatsink

Environmental and real-life conditions

RAD-ISM-900-EN-BD/B - Wireless module



2901205

<https://www.phoenixcontact.com/us/products/2901205>

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C

Approvals

Conformity/Approvals

Conformance	FCC Directive, Part 15.247
	ISC Directive RSS 210

EMC data

Electromagnetic compatibility	FCC Part 15.247 / ISC RSS 210
-------------------------------	-------------------------------

Mounting

Assembly note	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any

RAD-ISM-900-EN-BD/B - Wireless module



2901205

<https://www.phoenixcontact.com/us/products/2901205>

Classifications

UNSPSC

UNSPSC 21.0	43222604
-------------	----------

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

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

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com