

RAD-ISM-900-EN-BD

Order No.: 2900016



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Wireless transceiver (transmitter and receiver) with Ethernet, RS-232, RS-485 interfaces, for 900 MHz ISM band (America). This product is exclusively for export outside of the European Economic Area (EEA).



Ethernet

Commercial data

GTIN (EAN)	 4 046356 461580
Note	Made-to-order
sales group	H172
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 286 (NTK-2010)

Product notes

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



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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	902 MHz ... 928 MHz
Transmission power	1 W (adjustable in 1 dBm increments)
Transmit capacity, minimum	10 dBm
Transmit capacity, maximum	30 dBm

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
Connection method	COMBICON plug-in screw terminal block

Supply

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

General data

Width	52 mm
Height	99 mm
Depth	115 mm
Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Degree of protection	IP20
Mounting position	Any
Assembly instructions	on TS 35 profile rail acc. to EN 60715
Housing material	Polyamide PA non-reinforced with aluminum heatsink
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 ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²

Conductor cross section stranded max.	2.5 mm ²
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
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Cable/conductor

2867597	RAD-CAB-RG213-25	Antenna extension cable, length: 25 ft
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General

2867160	RAD-ISM-900-ANT-OMNI-0-6	Omnidirectional antenna, IP65 protection, cable length 2 m, connection MCX (male)
2867791	RAD-ISM-900-ANT-OMNI-FG-3-N	Omnidirectional antenna, IP65 protection, gain 5 dBi, connection N (female)
2867830	RAD-ISM-900-ANT-YAGI-6.5-50-AS	Panel antenna with surge protection, adapter cable MCX->N and assembly material, IP65 protection, gain 8.5 dBi, cable length 15.2 m, connection N (female)

Plug/Adapter

2885207	RAD-CON-MCX90-N-SS	Adapter cable, pigtail 120 cm 90° MCX(m) -> N(m)
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Diagrams/Drawings

Block diagram

