

## Wireless module - RAD-ISM-900-SET-BD-BUS-ANT - 2867270

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Bidirectional, wireless, 900 MHz transmission system (America), made up of 2 transceivers (transmitter and receiver) and two antennas with connecting cable

### Product Features

- Two omnidirectional antennas (optional)
- Additional transceivers can be added to configure repeater systems
- No additional parameterization or programming required
- Two pre-programmed transceivers that automatically communicate with each other
- Individual transceivers are listed under Class I, Division 2
- Operates in the license-free 902 - 928 MHz ISM band
- The integrated bus foot enables connection to additional I/O modules
- Frequency hopping spread spectrum
- Each transceiver has 1 analog input (4 ... 20 mA) and 2 digital inputs (5 ... 30 V AC/DC), as well as 1 analog output and 2 digital outputs, for direct connection to compatible sensors and actuators and for data transmission in both directions
- Status of the wireless connection via a relay (RF link)



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	659.0 g
Custom tariff number	85176200
Country of origin	Canada

### Technical data

#### Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

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### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

#### Wireless set

Set contents	2 transceivers, 2 aerials
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#### General

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

#### Standards and Regulations

Electromagnetic compatibility	FCC Part 15.247 / ISC RSS 210
Conformance	FCC Directive, Part 15.247
	ISC Directive RSS 210
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

### Classifications

#### eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208

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### Classifications

#### eCl@ss

eCl@ss 6.0	27242208
eCl@ss 7.0	27242208

#### ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000310

#### UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	43223108
UNSPSC 11	39121008
UNSPSC 12.01	43223108
UNSPSC 13.2	43223108

### Accessories

#### Accessories

##### Adapter cable

Antenna cable - RAD-CON-MCX-N-SB - 2867717

Adapter cable, pigtail 120 cm MCX(m) -> N(f)



Antenna cable - RAD-CON-SMA-N-SS - 2867403

Adapter cable, pigtail 120 cm SMA(m) -> N(m)



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### Accessories

Antenna cable - RAD-CON-MCX-MCX-SS - 2867607



Adapter cable, 30 cm, MCX(m) to MCX (m)

Antenna cable - RAD-CON-MCX90-N-SS - 2885207



Adapter cable, pigtail 120 cm 90° MCX(m) -> N(m)

### Antenna

Antenna - RAD-ISM-900-ANT-OMNI-5 - 2867199



Omnidirectional antenna, IP65 protection, gain 7 dBi, connection N (female)

Antenna - RAD-ISM-900-ANT-OMNI-FG-3-N - 2867791



Omnidirectional antenna, IP65 protection, gain 5 dBi, connection N (female)

Antenna - RAD-ISM-900-ANT-YAGI-3-N - 2867801



Panel antenna, IP65 protection, gain 5 dBi, cable length 0.6 m, connection N (female)

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### Accessories

Antenna - RAD-ISM-900-ANT-YAGI-6.5-N - 2867814



Panel antenna, IP65 protection, gain 8.5 dBi, cable length 0.6 m, connection N (female)

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Antenna - RAD-ISM-900-ANT-YAGI-6.5-25-AS - 2867827



Panel antenna with surge protection, adapter cable MCX->N and assembly material, IP65 protection, gain 8.5 dBi, cable length 7.6 m, connection N (female)

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Antenna - RAD-ISM-900-ANT-YAGI-6.5-50-AS - 2867830



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)

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Antenna - RAD-ISM-900-ANT-OMNI-0-6 - 2867160



Omnidirectional antenna, IP65 protection, cable length 2 m, connection MCX (male)

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Antenna - RAD-ISM-900-ANT-OMNI-FG-6-N - 2885579

Omnidirectional antenna, IP65 protection, gain 8 dBi, connection N (female)



Coaxial adapter

## Wireless module - RAD-ISM-900-SET-BD-BUS-ANT - 2867270

### Accessories

Antenna splitter - RAD-ISM-900-ANT-4 - 2867050



4-way distributor for antenna signals (antenna splitter), MCX connection (female)

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### Coaxial cable

Antenna cable - RAD-CAB-RG58-10 - 2867364



Antenna extension cable, length: 10 ft

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Antenna cable - RAD-CAB-RG58-20 - 2867212



Antenna extension cable, length: 20 ft

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Antenna cable - RAD-CAB-RG213-25 - 2867597



Antenna extension cable, length: 25 ft

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Antenna cable - RAD-CAB-RG213-40 - 2867377



Antenna extension cable, length: 40 ft

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## Wireless module - RAD-ISM-900-SET-BD-BUS-ANT - 2867270

### Accessories

Antenna cable - RAD-CAB-RG213-50 - 2867225



Antenna extension cable, length: 50 ft

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Antenna cable - RAD-CAB-PFP400-60 - 2867380



Antenna extension cable, length: 60 ft

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Antenna cable - RAD-CAB-PFP400-80 - 2867393



Antenna extension cable, length: 80 ft

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Antenna cable - RAD-CAB-PFP400-100 - 2867238



Antenna extension cable, length: 100 ft

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Antenna cable - RAD-CAB-LMR600-125 - 2885210



Antenna extension cable, length: 125 ft

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## Wireless module - RAD-ISM-900-SET-BD-BUS-ANT - 2867270

### Accessories

Antenna cable - RAD-CAB-PFP600-150 - 2885184



Antenna extension cable, length: 150 ft

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Antenna cable - RAD-CAB-PFP900-200 - 2885197



Antenna extension cable, length: 200 ft

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### Extension module

Extension module - RAD-IN-4A-I - 2867115



Analog extension module with 4 analog current inputs 4 mA ... 20 mA

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Extension module - RAD-OUT-4A-I - 2867128



Analog extension module with 4 analog current outputs 4 mA ... 20mA

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Extension module - RAD-IN-8D - 2867144



Digital extension module with 8 digital inputs



## Wireless module - RAD-ISM-900-SET-BD-BUS-ANT - 2867270

### Accessories

Extension module - RAD-OUT-8D-REL - 2867157



Digital extension module with 8 digital outputs

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Extension module - RAD-IN+OUT-2D-1A-I - 2867322



Analog /digital module for 2 digital inputs/outputs and 1 analog input/output

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Extension module - RAD-IN-2D-CNT - 2885223



Digital extension module with 2 digital inputs for measuring pulses and frequencies

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Extension module - RAD-OUT-2D-CNT - 2885236



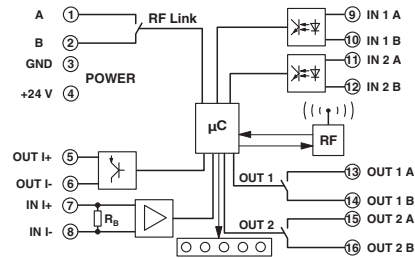
Digital extension module with 2 digital outputs for output of pulses and frequencies

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### Drawings

## Wireless module - RAD-ISM-900-SET-BD-BUS-ANT - 2867270

Block diagram



# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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