UHF Mid Range Reader
ID ISC.MRU102-PoE-LED

FAETURES

- Read range up to 50 cm
- Compact dimensions
- Integrated antenna for communication with near field and far field transponders
- Configurable output power
- Power over Ethernet (PoE)
- Supports DHCP and TCP Hostname
- Supports EPC Low Level Reader Protocol (LLRP) via LLRP library
- International certifications
- 3 additional LEDs
- Integrated buzzer

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SHORT-DESCRIPTION

The UHF Mid Range Reader ID ISC.MRU102-PoE-LED is designed for wireless communication with transponders according to the air interface standard EPC Class1 Gen2.
It cconvinces with its compact dimension and great performance.

- Read range of up to 50 cm*
- Integrated antenna for communication with near field and far field transponders
- Configurable output power in the range between 50 mW and 500 mW
- 3 additional bright LEDs
- Integrated buzzer
- Support of DHCP and TCP Hostname
- Mounting set available

Possible Applications:
Industry 4.0, Production Control, Process Optimization, KANBAN Applications, Desktop Applications, etc.

*The maximum read range is depending on the used transponder, the used antenna and the environmental conditions

ORDERING INFORMATION

ID ISC.MRU102-PoE-LED	Order number: 3888.000.00

UHF reader with Ethernet interface and integrated antenna

OPTIONAL ACCESSORIES

ID NET.12V-B-EU	Order number: 1688.002.00
ID NET.12V-B-GB	Order number: 3886.000.00
ID NET.12V-B-US	Order number: 3887.000.00

Power supply unit 95 - 265V AC Input voltage,
different plugs available
with angled DC connector 2,5mm*5,5mm
Output voltage: 12 V DC; 700mA

ID NET.PoEI13W-A	Order number: 3842.000.00

Power over Ethernet unit 100-240V AC
Continental European Plug
Output voltage: 48V DC; 0,5A

ID ISC.MS.MR/PR-A	Order number: 1691.000.01

Wall mounting set for ID ISC.MR102, ID ISC.MRU102

TECHNICAL DATA

Dimensions (W x H x D)	145 mm x 85 mm x 27 mm
Power supply	12 V DC to 24 V DC Power over Ethernet (PoE)
Power consumption	max. 7 W
Operating frequency	configurable in the range 865 MHz to 868 MHz
Output power	configurable, 50 mW e.i.r.p. to 500 mW e.i.r.p. in combination with internal antenna
Antenna connection	1 x integrated antenna
Interfaces	Ethernet (PoE)
Signaller	
optical	4 x LED
acustic	1 x Buzzer
Supported Transponder	EPC Class1 Gen2 ISO 18000-6-C (optional)
Software-Protocol	FEIG Reader Protocol
Protocol-Modes	ISO Host Mode, Buffered Read Mode, Notification Mode
Extras	Temperature monitoring, RSSI
Temperature range	
Operation	–25 °C to 55 °C (12 V to 24 V) –25 °C to 45 °C (PoE)
Storage	–25 °C to 85 °C
Relative humidity	5% to 95 % (non-condensing)

APPLICABLE STANDARDS

Radio Regulation	
Europe	EN 302 208
USA	FCC 47 Part 15
Canada	RSS-210 Issue 8, RSS-GEN Issue 3 RSS-102 Issue 4
Japan	ARIB STD-T107
Brasil	Resolução Nº 506
EMC	EN 301 489
Safety	EN 60950
Vibration	EN 60068-2-6 10 Hz to 150 Hz: 0,075 mm / 1 g
Shock	EN 60068-2-27 Acceleration: 30 g

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