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 (default) or 902 MHz to 928 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

FEIG ELECTRONIC GmbH · Lange Straße 4 · D-35781 Weilburg
Tel.: +49 6471 3109-0 · Fax: -99 · E-Mail: OBID@feig.de · www.feig.de