

ID MRU102-PoE-LED

UHF MID RANGE READER

- 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)
- International certifications
- 3 additional LEDs
- Integrated buzzer



UHF Mid Range Reader

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

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

- > 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

Technical data

Dimensions (w x h x d)	145 mm x 85 mm x 27 mm
Power supply	12 to 24 V DC, Power over Ethernet (PoE)
Power consumption	max. 7 W
Operating frequency	
Europe	865 MHz to 868 MHz
FCC	902 MHz to 928 MHz
Output power	50 mW to 500 mW, configurable
Antenna connection	1x integrated antenna
Interfaces	Ethernet (PoE)
Indicators	
optical	4x LED
acoustic	1x buzzer
Supported transponders	EPC Class1 Gen2, ISO 18000-6C
Software-Protocol	FEIG Reader Protocol
Reader modes	ISO Host Mode, Buffered Read Mode, Notification Mode
Extras	Temperature monitoring, RSSI
Temperature range	
Operation	-25 °C up to +55 °C (12 to 24 V) -25 °C up to +45 °C (PoE)
Storage	-25 °C up to +85 °C
Relative air humidity	5% up to 95% (non-condensing)

Standard conformity

Radio licence

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
Brazil	Resolução Nº 506
EMC	EN 301 489

Safety

Electrical Safety	EN 60950
Vibration	EN 60068-2-6 10 up to 150 Hz: 0.075 mm / 1 g
Shock	EN 60068-2-27 Acceleration: 30 g

Order description

ID MRU102-PoE-LED	3888.000.00	UHF reader with Ethernet interface and integrated antenna
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Optional accessories

ID NET.12V-B-EU	1688.002.00
ID NET.12V-B-GB	3886.000.00
ID NET.12V-B-US	3887.000.00
Power supply unit 95 – 265 V AC Input voltage; different plugs available; with angled DC connector 2.5 mm x 5.5 mm; Output voltage: 12 V DC, 700 mA	
ID NET.PoE13W-A	3842.000.00
Power over Ethernet unit 100 – 240 V AC; Continental European Plug; Output voltage: 48 V DC, 0.5 A	
ID MS.MR/PR-A	1691.000.01
Wall mounting set for ID MR(U)102	