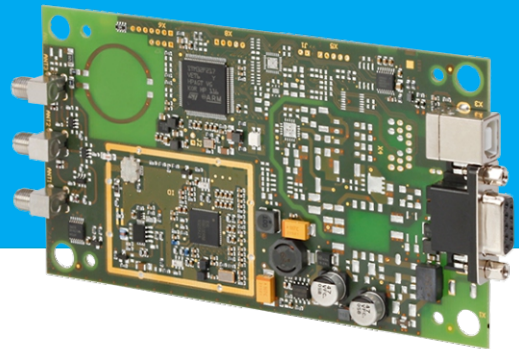


**ID ISC.MRMU102-A****UHF Reader Module for short / medium read ranges**

- Small, compact and with internal antenna
- Read ranges of up to 50 cm with internal antenna / up to 4 m with external antennas
- Integrated Multiplexer
- 3x SMA antenna connector for external antennas
- Different power modes
- Interfaces: RS232 and USB
- Supports Low Level Reader Protocol (LLRP)
- Internationale radio approvals

**UHF Reader Module with great flexibility**

The module achieves read ranges of up to 50 cm with its internal antenna and can also be operated with special UHF near field transponders.

In addition, the device can be connected to up to three external UHF antennas and achieves e.g. using the ID ANT.U290 / 290 from the FEIG antenna range, read ranges of up to 4 m.

The ID ISC.MRMU102 is equipped with a USB and a RS232 interface and can thus be variably integrated into existing systems.

The output power of the reader can be configured in the range between 50 mW and 500 mW.

**Wide range of applications**

In addition to integrate the module into terminals and machines, it can be used to implement own solutions such as desktop readers and programmer by using own housings.

With its internal antenna or in conjunction with an external antenna, the module is used at production workstations or desks for sorting, picking, marrying or programming individual goods / transponders.

It is operated with external antennas at unattended self-service stations / kiosks (self-booking stations or automatic dispensers in e.g. libraries).

In the industrial environment, it is recommended for integration in technical systems such as sorting and production systems as well as in tunnel solutions (conveyor belt, incoming / outgoing goods).

In addition, it is used to identify containers in the refill control (Kanban).

## USB Reader Module with great flexibility for variable integration in several applications

The compact UHF reader module can be operated with the internal or up to three external antennas. Available with two different interfaces, it is used in numerous applications.

Technical Data	ID ISC.MRMU102-A	
Dimensions (W x H x D)	137 mm x 77 mm x 17 mm	
Power supply	12...24 V DC	
Power consumption	max. 7 W	
Operating frequencies	865 MHz to 868 MHz (EU)	
Output power	50 mW to 500 mW, configurable	
Antenna connection	3x SMA plug (50 Ω), 1x internal antenna	
Interfaces	RS232, USB Full Speed	
Protocol modes	ISO Host Mode, Buffered Read Mode, Scan Mode	
Supported transponders	EPC Class1 Gen2, ISO 18000-6C	
Signal generator	1 x LED (multicolored)	
Temperature range		
Operation	- 25 °C to +55 °C	
Storage	- 25 °C to +70 °C	
Humidity	5 to 95% non-condensing	
Radio approval		
Europe	EN 302 208	
USA	FCC 47 CFR Part 15	
Canada	RSS-Gen Issue 3, RSS-210, RSS-102	
Japan	ARIB STD-T107	
Brazil	Resolução No 506	
EMC	EN 301 489	<b><u>Order description</u></b>
Safety		- ID ISC.MRMU102-A (Art.-No. 3779.000.00)
Electrical safety	EN 60950	UHF Mid Range Reader Module (RS232, USB)
Vibration	EN 60068-2-6 10 Hz to 150 Hz: 0,075 mm / 1 g	3x ext. antenna connectors (SMA plug 50 Ω)
Shock	EN 60068-2-27 Acceleration: 30 g	<b><u>Optional accessories</u></b>
		- Power supply units & connection cables
		- Antennas & antenna cables

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