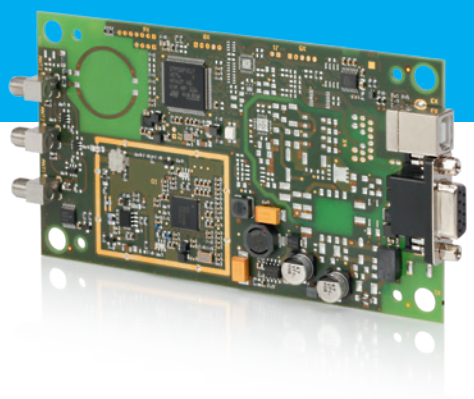
FEIG

ID MRMU102-A

UHF MID RANGE READER MODULES

- Read Range up to 4 m*
- Compact dimensions
- Integrated multiplexer
- 3x SMA-plugs for connection of external antennas
- Integrated antenna for communication with near field and far field transponders
- Configurable output power
- USB and RS232 interfaces
- Support of EPC Global Low Level Reader Protocol (LLRP)
- International certifications



UHF Mid Range Reader Modules

The UHF Mid Range Reader-Module ID MRMU102-A is a single PCB Board and convinces with its great performance.

Possible application: Industry 4.0, Production control, Process optimization, Integration into machines, etc.

* The maximum Read Range is depending on the used antenna, the antenna cable, the used transponder and the environmental conditions.

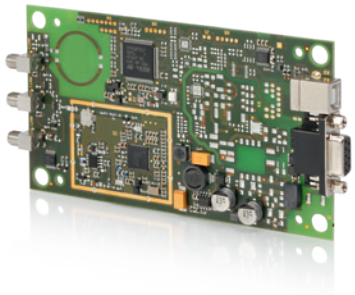
Additional features:

- Read Range of up to 4 m* in combination with the UHF-Antenna ID ANT.U290/290
- 3 switchable antenna outputs and 1 integrated antenna (also suitable for communication with near field transponder) for different kind of application
- Configurable output power in the range between 50 mW and 500 mW (different power-modes)
- Different interfaces for flexible integration into existing applications
- Mounting holes in each corner of the PCB

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Technical data

Dimensions (w x h x d)	137 mm x 77 mm x 17 mm
Power supply	12 V DC to 24 V DC
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	3x external (SMA plug, 50 Ω)
	1x integrated antenna
Interfaces	RS232-V24, USB (full Speed)
Supported transponders	EPC Class1 Gen2, ISO 18000-6C
Software-Protocol	FEIG Reader Protocol
Reader modes	ISO Host Mode, Buffered Read Mode, Scan Mode
Extras	Temperature monitoring, RSSI
Temperature range	
Operation	–25 °C up to +55 °C
Storage	–25 °C up to +85 °C
Relative air humidity	5 % up to 95 % (non-condensing)



ID MRMU102-A

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 MRMU102-A	3779.000.00	Module version with asynchronous RS232 and USB interface

Optional accessories

- Power supply units
- Conntection cables
- Mounting sets
- Antennas
- Antenna cables

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Information updated: December 2020. The information in this document is subject to change without prior notice and is not to be considered as a warranted characteristic.
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