

## HF Mid Range Reader ID ISC.MR102



### FEATURES

- Compact Multitag Reader for various applications
- Anticollision function
- Numerous communication interfaces: Ethernet (TCP/IP), USB, RS232, RS485
- Available as module or housing version
- 3 different reader modes
- Compatible with the previous version ID ISC.MR101
- Ideal for retail, industry, logistics and libraries



# ID ISC.MR102

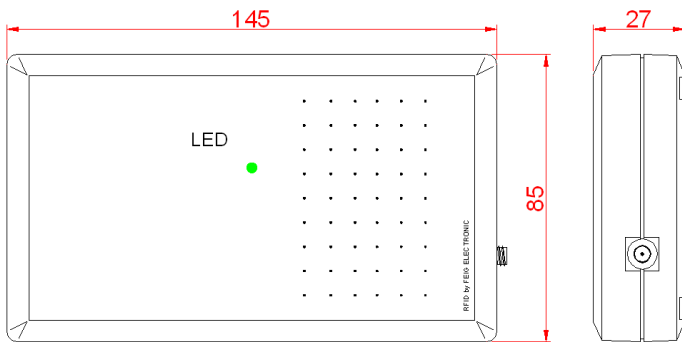
## DESCRIPTION

The HF Mid Range Reader ID ISC.MR102 identifies transponders according to ISO 15693 with an operating frequency of 13,56 MHz. The reader is suitable for applications with middle read ranges. Depending on the used antenna the ID ISC.MR102 has a read range up to 40 cm.

Due to its numerous communication interfaces the HF Mid Range Reader ID ISC.MR102 is suitable to be used in fields of applications like library, retail, logistics and industry and is easy to integrate in existing systems.

With its anticollision function the ID ISC.MR102 is able to read up to 30 transponders simultaneous. A switchable DC voltage at the antenna output can supply a LED inside a connected antenna.

Depending on the interface the ID ISC.MR102 is available as module or housing version. For the housing version the electronic is mounted inside a solid plastic housing which could be used in industrial environments.



## ORDER DESCRIPTION

ID ISC.MR102-A	Housing version; RS232 asynchr.
ID ISC.MRM102-A	Module version; RS232 asynchr.
ID ISC.MR102-B	Housing version; RS485 asynchr.
ID ISC.MR102-PoE	Housing version; Ethernet (PoE)
ID ISC.MR102-USB	Housing version; USB 2.0
ID ISC.MRM102-USB	Module version; USB 2.0

## TECHNICAL DATA

Dimensions (W x H x D)	85 mm x 145 mm x 31 mm (3,3 inch x 5,7 inch x 1,2 inch)
Weight	200 g
Housing	Plastic ABS
Enclosure rating	IP 30
Colour	similar to RAL 9018 (Papyrus white)
Operating frequency	13,56 MHz
Transmitting power	1,2 W ± 1 dB
Power supply	
- ID ISC.MR102-A/-B/-USB	12...24 V DC
- ID ISC.MR102-PoE	12...24 V DC or PoE
Power consumption	max. 6 W
Antenna connector	1 x SMA connector (50 Ω)
Supply voltage at antenna output	7,5 V DC (max. 5 mA)
Interfaces	
- ID ISC.MR102-A	RS232
- ID ISC.MR102-B	RS485
- ID ISC.MR102-PoE	Ethernet (TCP/IP)
- ID ISC.MR102-USB	USB 2.0
Indicators, optical	1 LED (multicolour)
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)*
Reader modes	ISO Host Mode, Scan Mode, Notification Mode
Others	Antenna shortcut detection Temperature control Full support of the external multiplexer ID ISC.ANT.MUX
Temperature range Operation	-25 °C up to 55 °C (-13 °F up to 131 °F)
Storage	-25 °C up to 85 °C (-13 °F up to 185 °F)
Relative humidity	5...95 % (non-condensing)

\* e.g. EM HF ISO Chips, Fujitsu HF ISO Chips, IDS Sensor Chips, Infineon my-d, KSW Sensor Chips, NXP I-Code, STM ISO Chips, TI Tag-it

## STANDARD CONFORMITY

Radio license	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human exposure	EN 50364
Vibration	EN 60068-2-6 10...150 Hz: 0,075 mm / 1 g
Shock resistance	EN 60068-2-27 Acceleration: 30 g

FEIG ELECTRONIC reserves the right to change specification without notice at any time.  
Stand of information: February 2011.