OBID®

advanced reader technologies

i-*scan*

Mid range reader
ID ISC.MR100-A/
-USB

Multi-tag mid range reader for identification of Smart Labels in the fields of application retail, rental services and industry.

Features:

- Anticollision function,
- OBID® i-*scan* SMP (Standard Multi-tag Protocol)
- Multi-tag reader (I•CODE, Tag-it, ISO 15693)
- Several antenna types available

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Short description and technical information

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Just as any device of the OBID® i-*scan* product family, the mid-range reader ID ISC.MR100-A/-USB works with Smart Labels which are based on transponders with an operating frequency of 13,56 MHz. Depending on the antenna used, the reader has a maximum reading distance of up to 40 cm.

The elegant Pad-Antenna ID ISC.ANT340/240 reaches distances of up to 30 cm and is above all suitable for desk-applications including the identification of files or documents, registration of the lending and return of goods or books, ect.

The more rugged type ID ISC.ANT300/300 is mainly used for applications in industrial surroundings.

The reader´s anticollision function facilitates simultaneous identification of several objects even when these are wrapped.

ID ISC.ANT340/240

ID ISC.ANT300/300

Technical data

Housing	Plastic
Colour	RAL 9018 (light grey)
Dimensions (LxWxH)	145 x 85 x 31 mm
Protection class	IP 30
Weight	170 g
Power supply - variant -A (RS232/RS485)	12-24 V DC +/- 15% via external power supply
- variant -USB	12 V via external power supply
Power consumption	approx. 6 VA
Operating frequency	13,56 MHz
Transmitting power	approx. 0,8 up to 1 W
Modulation factor	10% and 100% (via software adjustable)
Antenna connection	1 x SMA-female plug (50 Ω)
Reading distance	max. 40cm with ID ISC.ANT300/300
Interfaces	RS232 / RS485 (switchable) or USB
Signal generator	1 LED (multicoloured; red / green)
Processable transponders	I-CODE, Tag-it and ISO 15693
Temperature range - operation	-25° C up to 60° C
- storage	-25° C up to 85° C
FLASH	64 kByte (software may be updated via interface)

Standard conformity

Radio license	
- Europe	EN 300 330
- USA	FCC Part 15
EMV	EN 300 683
Safety	
- Europe	EN 60950

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