Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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OBID

Advanced reader technologies

i-*scan*® HF

(13.56 MHz)

**Midrange Reader
ID ISC.MR101-A/
-USB**

ID ISC.MR101-USB

Multi-tag Reader for identification of ISO transponders in fields of application like retail, industry, logistics, libraries etc.

Features:

- Anti-collision function

- OBID i-*scan*® ISO Host Mode

- Multi-tag Reader (ISO 15693- and ISO 18000-3 tags) Optional further tag protocols are available

- Different antenna types are available

- 2 operation modes: Scan-Mode / Polling-Mode

OBID®- RFID by FEIG ELECTRONIC

FEIG
ELECTRONIC

Short description and technical data

Short description

Just as any device of the OBID i-*scan*® *HF* product family, the Mid Range Reader ID ISC.MR101-A/-USB identifies transponders with an operating frequency of 13.56 MHz. Depending on the used antenna, 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 etc.

The more rugged antenna type ID ISC.ANT300/300 is mainly used for applications in industrial surroundings. The reader´s anti-collision function facilitates simultaneous identification of several objects even when these are wrapped.

Technical data

Housing	Plastic ABS
Colour	Papyrus white RAL 9018
Dimensions (WxLxH)	85 x 145 x 27 mm
Protection class	IP 30
Weight	200 g
Power supply - Variant -A (RS232/RS485)	12 - 24 V DC +/- 15% with external power supply unit
- Variant -USB	12 - 24 V DC +/- 15% with external power supply unit
Power consumption	approx. 8 VA
Operating frequency	13.56 MHz
Transmitting power	1 W +/- 2dB with external antenna
Modulation factor	10%
Antenna connection	SMA plug (50 Ohm)
Reading distance	max. 40 cm with ID ISC.ANT300/300
Interfaces	RS232 / RS485 (switchable) or USB
Signal generator	1 LED (multicoloured; red/green)
Processable transponders	ISO 15693, ISO 18000-3, EPC optional: further tag types
Temperature range - operation - storage	 -25°C up to 60°C -25°C up to 70°C
FLASH	Software may be updated via both, RS232/RS485 and USB interface)

Antennas for ISC.MR101-A/-USB:
ID ISC ANT340/240 (left) and
ID ISC.ANT300/300 (right)

Standard conformity

Radio license - Europe - USA	 EN 300 330 FCC 47 CFR Part 15
EMC	EN 301 489
Safety - Human Exposure	EN 60950 EN 50364

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