



Advanced reader technologies

i-scan[®] HF

(13.56 MHz)

**Proximity Reader
ID ISC.PR101-A/
-USB**



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

Features:

- Anti-collision function
- Integrated antenna
- Multi-tag Reader (ISO 15693- and ISO 18000-3 tags)
- 2 operation modes: FEIG ISO HOST & Scan-Mode

Short description and technical data

Short description

Just as any device of the OBID *i-scan*[®] HF product family, the Proximity Reader ID ISC.PR101-A/-USB identifies transponders with an operating frequency of 13.56 MHz.

The reader has an integrated antenna with a maximum reading / writing distance of up to 18 cm.

Due to its compact dimensions, the reader is suitable for desk-applications including the identification of files or documents, registration of the lending and return of goods or books etc.

The reader's anti-collision function facilitates simultaneous identification of several objects even when they are wrapped.



Document identification is only one of several possible applications for ID ISC.PR101-A/-USB.

Standard conformity

RF approval	
- Europe	EN 300 330
- USA	FCC 47 CFR Part 15
- Canada	RSS-Gen Issue 1, RSS-210 Issue 6
EMC	
	EN 301 489
Safety	
- Low voltage	EN 60950
- Human Exposure	EN 50364

Technical data

Housing	Plastic ABS
Colour	Papyrus White RAL 9018
Dimensions (WxLxH)	85 x 145 x 31 mm (3.35 x 4.72 x 1.77 inch)
Protection class	IP 30
Weight	200 g (0.44 lb)
Supply voltage	
- variant -A (RS232/RS485)	typical 12 V DC max. 12 - 24 V DC +/- 15%
- variant -USB	5 V DC (via USB)
Current draw	max. 0.5 A
Power consumption	
- variant -A (RS232/RS485)	max. 5 VA
- variant -USB	max. 2,5 VA
Operating frequency	13.56 MHz
Transmitting power	0,5 W +/- 2dB
Antenna	integrated
Reading distance	max. 18 cm
Interfaces	RS232 / RS485 (configurable) or USB (12 Mbit)
Optical indicator	1 LED (multicolour; red/green)
Protocol Modes	FEIG ISO HOST & Scan Mode
Supported transponders	- ISO15693, ISO18000-3-Mode1 (EM HF ISO chips, Fujitsu HF ISO chips, KSW Sensor chips, Infineon my-d, NXP I-Code, STM LRI ISO chips, TI Tag-it) - NXP I-Code1, I-Code UID, I-Code EPC
Address setting for interface	
- Variant -A (RS232/RS485)	Software (up to 254 addresses)
- variant -USB	Device ID of the reader
Temperature range	
- operation	-25°C to 60°C (-13°F to 140°F)
- storage	-25°C to 70°C (-13°F to 185°F)
Humidity	5 - 95% (non condensing)

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