

SLG FRE 4000

13,56 MHz Mid Range Reader USB or RS232 interface



Product description:

- Multi-tag Reader for identification of ISO transponders in fields of application like retail, industry, logistics, libraries etc.
- The FRE 4000 USB and FRE 4000 RS232 reader identifies transponders with an operating frequency of 13,56 MHz.
- Due to its compact dimensions, the FRE 4000 USB/RS232 reader is suitable for desk-applications including the identification of files or documents, registration of 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.

Features:

- Anti-collision function
- Different antenna types are available
- Multi-tag Reader (ISO 15693- & ISO 18000-3 tags)
- 2 operating modes: ISO HOST & Scan-Mode



Document identification is only one of several possible applications for the FRE 4000 reader.

<u>Technical specification:</u>	
Dimensions (WxLxH):	85 x 145 x 31 mm
Housing:	Plastic ABS
Color:	Papyrus White RAL 9018
Weight:	200 g
Protection class:	IP 30
Supply voltage:	- 5 V DC (via USB) - typical 12 V DC, max. 12-24 V DC +/- 15% (RS232)
Current draw:	max. 0.5 A
Power consumption:	- max. 2,5 VA (USB) - max. 5 VA (RS232)
Operating frequency:	13,56 MHz
Transmitting power:	0,5 W +/- 2dB
Antenna connection:	SMA plug (50 Ohm)
Interface:	- USB (12 Mbit) - RS232/RS485 (configurable)
Optical indicator:	1 LED (multicolor; red/green)
Protocol modes:	ISO HOST & Scan-Mode
Supported transponders:	- ISO 15693, ISO 18000-3-Mode1 (EM HF ISO chips, Fujitsu HF ISO chips, KSW Sensor chips, Infineon my-d, NXP I-Code, STM LRI ISO chips, TO Tag-it) - NXP I-Code1, I-Code UID, I-Code EPC
Address setting for interface:	- Device ID of the reader (USB) - Software, up to 254 addresses (RS232)
Temperature range:	- Operation: -25°C up to +60°C - Storage: -25°C up to + 70°C
Humidity:	5 - 95% (non condensing)
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 - Human Exposure: EN 60950, EN 50364
Order number:	E4002.000063 FRE 4000 – USB E4002.000014 FRE 4000 – RS232/RS485