iDTRONIC
SECURE ACCESS

Wallreader

ID ACCESS 1000 HF

The ID ACCESS 1000 HF is a professional RFID reader and writer for RFID 13.56 MHz frequenices. It was especially developed for wall mounting beside doors or entrances and is also available as read-only version.

It is designed for indoor use and has a modern and elegant design with tricolor LED frame and buzzer.

It is available with Ethernet TCP/IP or RS485 interface for easy implementation and integration within exisiting networks. Thanks to its integrated relay, it is possible to switch doors automatically.

iDTRONIC's ID ACCESS 1000 HF comes with a useful SDK for the development of controller, Linux or Windows based applications. Beside the documentation, command protocols, the SDK includes a Windows based demo application with full functionality over all supported HF RFID standard.

▶ APPLICATIONS

- Access Control
- Remote Control
- Payment Systems
- Automation System
- Network Control System

▶ FEATURES

- LED frame
- Integrated antenna
- Ethernet interface
- Supports MIFARE

▶ RFID OPTIONS

- HF (ISO/IEC 14443A/B, 15693)

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TECHNICAL DATA

Electronic data	
Power supply	12 VDC (±5 % stabilized)
Power consumption	< 180 mA (RFID active, relay on)
Operating frequency	13.56 MHz
Reading range	up to 7 cm*
Antenna	integrated
Interface	Ethernet TCP/IP
Write/Read	Max. 106 kbps
Relay	1 normally open contact (NO) max. switching capacity 30W (1A at 30VDC resistive load)
Signal	Buzzer Bicolor LED

Mechanical data	
Dimensions	125 × 70 × 26 mm
Material	ABS
Housing color	anthracite
Weight	50 g

Environmental conditions	
Operating temperature	-25 °C ... +70 °C
Humidity	5% bis 95 %

Supported standards / tags	
ISO 14443 A	Read/Write: MIFARE® Classic Mini / 1K /4K, MIFARE Ultralight®, MIFARE Ultralight® C, NTAG213 / 215 / 216 / 217
ISO 14443 B	SRI4K, SRIX4K, AT88RF020, 66CL160S, SR176
ISO 15693	I-Code SLI / SLIX, EM4135, EM4043, EM4x33, EM4x35, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity)

SDK Information	
Programming language	C, binary command prof.
Demo Software (Settings)	Windows

* Reading range depends on chip type used and environmental conditions

ORDER CODES

Version	Ordercode
ID ACCESS 1000 HF	R-EA-WR-ET-HF

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