iDTRONIC

PROFESSIONAL RFID

ACCESS CONTROL READER
ID Access 1000 | 1500

APPLICATIONS

- Access Control
- Time Attendance
- Turnstiles

FEATURES

- LED Light Frame
- Integrated Relay
- Integrated Antenna
- Ethernet TCP/IP Interface

RFID TRANSPONDER

ISO 14443A
Read/Write:
MIFARE® Classic / Mini / 1K / 4K, MIFARE Ultralight®, MIFARE Ultralight® C, NTAG21x

Read UID only:
MIFARE® DESFire, MIFARE® Pro X, MIFARE® Plus S / X, read UID only of all other ISO14443A RFID tags

ISO 14443 B
SRI4K, SRIX4K, AT88RF020, 66CL160S, SR176

ISO 15693
EM4135, EM4043, EM4x33, EM4x35, I-Code SLI / SLIX, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity)

PRODUCT DESCRIPTION

The Access Control Reader ID Access 1000 | 1500 is a professional RFID reader and writer for HF 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 hardware 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 standards.

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

Power Supply	12 Vdc (±5 % regulated)
Current Consumption	< 180 mA (RFID active, relay ON)
Operating Frequency	13.56 MHz
Operating Distance	up to 7 cm*
Antenna	Integrated
Interfaces	Ethernet TCP/IP, RS485
Writing / Reading	Max. 424 kbps
Input / Output	1 Relay C-NC-NO
Relay	Max. switching power: 30 W / 37.5 VA Max. switching voltage: 220 Vdc / 250 Vac Max. switching current: 1 A Max. carrying current: 1 A Initial contact resistance: Maxi. 100 mΩ (initial)
Signals	Buzzer Tricolor LED on Antenna

MECHANICAL SPECIFICATIONS

Dimensions	110 × 56 × 18 mm
Weight	50 g

ENVIRONMENTAL CONDITIONS

Operating Temperature	-10 °C ... +50 °C
Storage Temperature	-20 °C ... +60 °C
Humidity	up to 95 %, non condensing

* Reading distance depends on tag type and orientation.

SUPPORTED STANDARDS | TAGS

ISO 14443 A	Read/write: MIFARE® Classic / Mini / 1K / 4K, MIFARE Ultralight®, MIFARE Ultralight® C, NTAG21x Read UID only: MIFARE® DESFire, MIFARE® Pro X, MIFARE® Plus S / X, read UID only of all other ISO14443A RFID tags
ISO 14443 B	SRI4K, SRIX4K, AT88RF020, 66CL160S, SR176
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APPLICABLE STANDARDS

EMC	EN 301489-1:2012-04 (v1.9.21) EN 301489-3:2013-12 (V1.6.1)
Radio Regulation	EN 300330-1:2015-08 (V1.8.1) EN 300330-2:2015-08 (V1.6.1)
Safety	EN 60950-1:2014-08 EN 62369-1:2010-03 EN 50364:2010-11
RoHS	EC Guideline 2011/65/EU
Certificates	FCC, CE, IC

SDK INFORMATION

Supported OS by Silabs USB VCP Driver	Windows 7/8/8.1/10 (v6.7.3) Windows XP/Server 2003/Vista/7/8/8.1 (v6.7) Windows 2K (v6.3a) WinCE (5.0, 6.0) Macintosh OSX (v4) Linux (3.x.x., 2.6.x) Android 4.2
Supported OS	Windows 7, 8, 8.1, 10
Supported Languages	ID ACCESS 1000: Binary ASCII command protocol, VS2005 C++Library ID ACCESS 1500: ASCII command protocol
Demo Software	Windows

ORDER CODES

VERSIONS	ORDER CODES
ID Access 1000 TCP / IP	R-EA-WR-ET-HF
ID ACCESS 1000 RS485	R-EA-WR-485-HF
ID Access 1500 TCP / IP (Read-Only)	R-EA-WR-ET-HF-RO

For further information & prices, please contact info@idtronic-rfid.com