

Wall Reader ID Access 1000



APPLICATIONS

- Access Control
- Time Attendance
- Turnstiles
- Cashless Payment

FEATURES

- LED Light Frame
- Integrated Relay
- Integrated Antenna
- Ethernet Interface
- Supports MIFARE®
- Optional Read-Only

RFID OPTIONS

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

PRODUCT DESCRIPTION

Wall Reader ID Access 1000 is a professional RFID ethernet reader and writer for 13.56 MHz frequencies. It supports ISO 14443A/B as well as ISO 15693 standards, including NXP MIFARE Ultralight®, MIFARE® Classic 1K, MIFARE® Classic 4K, I-Code SLI, TI Tag-it HF-I and more.

This easy-to-use device has an elegant design with tri-color LED frame and includes a relay and antenna.

The ID Access 1000 provides a reading distance of up to 7 centimeters and can be used in a wide range of applications such as access control, time attendance, payment, ticketing and device activation.

It features an ethernet interface for easy implementation and integration within existing networks and systems. It is also available as a read-only version.

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS	
Power Supply	12 Vdc ($\pm 5\%$ 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
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 m Ω (initial)
Signals	Buzzer Tricolor LED on Antenna

MECHANICAL SPECIFICATIONS	
Dimensions	110 x 56 x 18 mm
Weight	50 g

ENVIRONMENTAL CONDITIONS	
Operating Temperature	-10 °C ... +70 °C
Storage Temperature	-20 °C ... +80 °C
Humidity	up to 95%, non condensing

SUPPORTED STANDARDS / TAGS	
ISO 14443 A and compatible	Read/write: MIFARE® Classic Mini / 1K /4K, MIFARE Ultra-light®, 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 and compatible	SRI4K, SRIX4K, AT88RF020, 66CL160S, SR176
ISO 15693 and compatible	EM4135, EM4043, EM4x33, EM4x35, I-Code SLI / SLIX, M24LR16/64, TI Tag-it HF-I, SRF55Vxx (my-d vicinity)

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 (v6.7.3) 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 XP, Vista, 7, 8, 8.1, 10
Supported Languages	C, ASCII command protocol
Demo Software	Windows

* Reading distance depends on tag type and orientation.

ORDER CODES

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

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