iDTRONIC

PROFESSIONAL RFID

HF Reader
Stick Reader EVO

Applications

· Reading of ID and member cards
· Access / Time logging systems
· R/W of transponder at PC
· NFC & mobile application
· PC Log-on; online payment

Features

· Integrated antenna
· USB VCP
· LED signal in cap
· Supports MIFARE Ultralight® and Classic
· Power over USB
· SDK included
· Optional HID version

RFID Options

· **HF** (ISO14443A/B, ISO15693, ISO18000-3)

Pen Stick Reader EVO HF is a sleek and compact RFID read / write device with integrated antenna. Equipped with USB interface as standard, it is also available with Human Interface Device (HID).

The 13.56 MHz HF Version supports ISO 14443A/B, ISO 15693 as well as ISO 18000-3, including NXP MIFARE Ultralight®, MIFARE® Classic 1K, MIFARE® Classic 4K, I-Code SLI, TI Tag-it HF-I and more.

EVO Stick Reader HF allows reading ranges of up to 5 centimeters, depending on tag type and orientation.* Its compact design and LED signal distinguish the EVO from other RFID readers.

The EVO is a versatile read and write device for various applications and work sites. A user friendly Software Development Kit and demo software for Windows operating systems is available for download.

*Reading distance depends on tag, antenna and environmental conditions

Technical Data

Electrical Specifications

Power Supply	USB (5 Vdc)
Current Consumption	< 90 mA
Operating Frequency	13.56 MHz
Reading Distance	up to 5 cm*
Antenna	integrated
Reader IC	NXP CLRC632
RF TX Speed	up to 424 kBd
Interfaces	USB VCP, HID**
Baudrate on VCP	9600…115200 Bd
Connector	USB Type A plug
HID Output Format	ISO 14443 A: hexadecimal, lowercase, byte-reverse, LSB ISO 15693: hexadecimal, lowercase, MSB The HID output format can be modified on request.
Signals	LED shows successful tag communication with colour change.

Mechanical Specifications

Dimensions	83.5 × 36 × 11.2 mm
Material	ABS (Acrylonitrile butadiene styrene)
Protection Class	IP 40
Housing Colour	Light grey + dark grey
Weight	25 g

Environmental Conditions

Operating Temperature	-20 °C … +70 °C
Storage Temperature	-20 °C … +80 °C
Humidity	up to 95 %, non condensing
MTBF	200'000 h

Supported Standards / Tags

ISO 14443 A and compatible	Read/write: MIFARE® Classic Mini / 1K /4K, MIFARE Ultralight®, MIFARE® Smart MX, NTAG21x Read UID only: MIFARE Ultralight® C, 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

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 XP, Vista, 7, 8, 8.1, 10
Supported Languages	ASCII command protocol, C
Demo Software	Windows

* Reading distance depends on tag type and orientation.
** Human Interface Device

Order Codes

Version	Order Code
Stick Reader EVO HF	R-STICK-EVO-HF
Stick Reader EVO HF HID	R-STICK-EVO-HF-HID

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