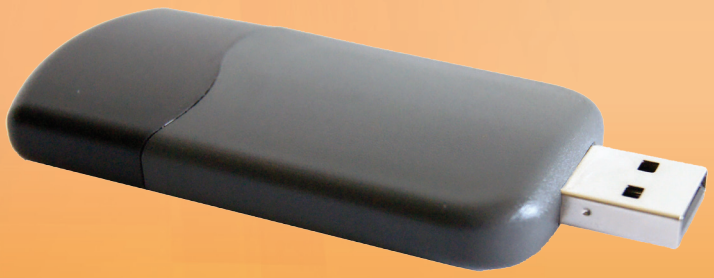
iDTRONIC
PROFESSIONAL RFID



UHF Reader
Stick Reader EVO

Applications

- Reading of ID and member cards
- E-Ticketing
- Payment, POS System, Loyalty
- Retail / Libraries
- Identification / Access

Features

- Multi-read UHF
- Integrated antenna
- SW programmable power
- Supports ETSI & FCC band
- Power over USB
- SDK included
- Optional HID version

RFID Options

- **UHF** (EPC C1 GEN2 / ISO18000-6C)

Pen Stick Reader EVO is a sleek and compact RFID reader with integrated, linear polarized antenna. Equipped with USB interface as standard, it is also available with Human Interface Device (HID).

This UHF Version supports ISO Standard 18000-6C EPC Class 1 Generation 2 transponders, as well as global UHF frequencies ETSI (865 - 868 MHz) and FCC (902 - 928 MHz).

EVO Stick Reader UHF allows reading ranges of up to 30 centimeters, depending on tag type and orientation.* Max. power output of 100mW (+20dBm) can be regulated via software in 1dB steps.

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

*Reading distance depends on tag, antenna and environmental conditions

Technical Data

Electrical Specifications	
Power Supply	USB
Current Consumption	up to 350 mA (High Powered Port needed)
Operating Frequency	865–868 MHz (ETCI) 902–928 MHz (FCC) 916– 923.4 MHz (Japan)
Max. Power	max 100 mW (+20 dBm) software programmable in 1dB steps
Operating Distance	up to 30 cm*
Antenna	integrated, linear polarised
Reader IC	AMS AS3992
RF TX Speed	up to 640 kHz Link Frequency
Interfaces	USB VCP, HID**
HID Output Format	EPC only, hexadecimal, lowercase
Connector	USB Type A plug

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	20 g

Environmental Conditions	
Operating Temperature	-10 °C ... +50 °C
Storage Temperature	-20°C ... +70 °C
Humidity	up to 95 %, non condensing
MTBF	200'000 h

Supported Standards / Tags
Standard ISO 18000-6C (EPC Class 1 Generation 2) E.g.: Alien Higgs 2/3/4, Impinj Monza, NXP UCODE, etc.

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	Windows XP, Vista, 7, 8, 8.1, 10
Supported Languages	C++, C#, .net, Java, binary command protocol
USB Driver OS	Windows NT based Windows 10 certified Linux (built-in)
Demo Software	Windows
Engineering Mode	License can be acquired separately

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

Order Codes

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

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