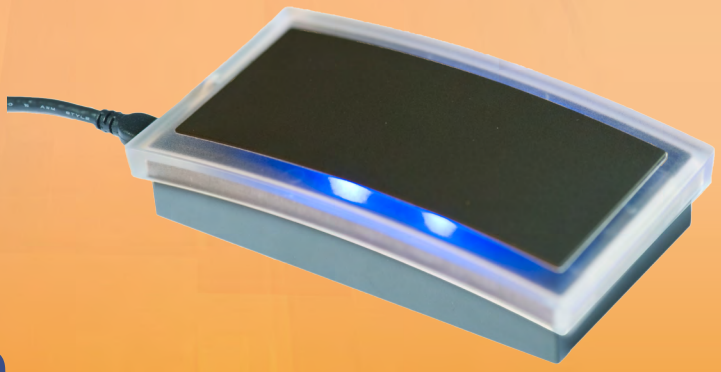
iDTRONIC
PROFESSIONAL RFID



UHF Reader
Desktop Reader EVO

Applications

- Reading of ID and member cards
- E-Ticketing
- Payment, POS System, Loyalty
- Retail / Libraries
- Personalization station
- 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)

Desktop 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 Desktop 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 (5 Vdc)
Current Consumption	up to 350 mA (High Powered Port needed)
Operating Frequency	865–868 MHz (ETSI) 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, MSB *HID Output of EPC Memory of UHF Tags will be displayed.*
Connector	USB Mini B Socket

Mechanical Specifications	
Dimensions	126.5 × 69 × 27 mm
Material	ABS (Acrylonitrile butadiene styrene)
Protection Class	IP40
Housing Colour	Anthracite
Weight	95 g

Environmental Conditions	
Operating Tempe-rature	-10 °C ... +50 °C
Storage Temperature	-20°C ... +70 °C
Humidity	up to 95 %, non condensing

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
Certificate	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
Desktop Reader EVO UHF	R-DT-EVO-UHF
Desktop Reader EVO UHF HID	R-DT-EVO-UHF-HID

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