

# USB Desktop Reader EVO



The iDTRONIC USB Desktop Reader EVO is an easy-to-use RFID Reader for your USB equipped PC or Laptop. It is using USB 2.0 interface for the high speed data transfer. It is useable for many different applications.

The special features of the iDTRONIC USB Desktop Reader EVO is the excellent design and an illuminated LED frame, turning on during the reading process.

The iDTRONIC USB Desktop Reader EVO is a full Read/Write device which comes with full SDK and MS Windows based application SW.

#### Available versions:

- Desktop Reader EVO UHF
- Desktop Reader EVO HF
- Desktop Reader EVO LEGIC
- Desktop Reader EVO LF

#### Applications:

- Desktop Reader / Encoders
- Network Access Control
- Access Control
- Point of Sales



## Technical Data

### Mechanical Specifications

Housing-Material: ABS, Color: Anthracite  
Dimensions: 125 × 70 × 27 mm

### Electrical Specifications

Power Supply: 5 VDC, via USB  
Operating Systems: MS Win. XP/7, Linux  
Antenna: Integrated  
Interface: USB 2.0, Cable: 1.2 m  
Read / Write Speed: Up to 424 kbps

### Environmental Conditions

Operating Temperature: 0 °C to +50 °C  
Humidity: 5 % to 95 %

### Features

Signals: Multi-colored LED, illuminated frame  
Option (on request): Keyboard Emulation  
Compliant: CE, RoHS

Order Code

R-DT-EVO-xx

## Overview of available versions, related standards and supported tags:

	Frequency	Standard	Supported Tags	Order Code
<b>UHF</b>	868 MHz/ 916 MHz	ISO18000-6C	ISO18000-6C EPC Class 1 Gen2 NXP U-Code GSXM / G2XL	R-DT-EVO-UHF
<b>HF</b>	13.56 MHz	ISO14443 A/B ISO15693	NXP Mifare S20/S50/S70 NXP Mifare UL NXP I-Code SLI TI Tag-it HF-I	R-DT-EVO-HF
<b>LEGIC</b>	13.56 MHz	Legic Prime Legic Advant ISO14443 A/B ISO15693 NFC (pass. Mode)	Legic MIM256, MIM1024 Legic Advant ATC256/1024/2048 NXP Mifare S20/S50/S70 NXP Mifare UL NXP I-Code SLI	R-DT-EVO-LEG
<b>LF</b>	125 kHz	ISO11784	EM420x Read Only (or similar) EM4450 NXP Hitag 1, 2, S Temic 55x7 (on request) Sokymat Q5 (on request)	R-DT-EVO-LF

As the USB Desktop Reader EVO LF (R-DT-EVO-LF) has a simple communication protocol comprising of only 8 commands, there is no SDK for this device. There is a file package with test/demo software and descriptions.