iDTRONIC
PROFESSIONAL RFID

LEGIC Reader
DESKTOP READER EVO

APPLICATIONS

· Reading of ID documents, cards
· Configuration of access systems
· R/W of transponder at PC
· PC Log-on; online payment
· Personalization station
· Identification

FEATURES

· Integrated antenna
· USB VCP
· Buzzer
· Supports LEGIC Advant, Prime
· Power over USB
· SDK included
· Optional HID version

RFID OPTIONS

· LEGIC

DESCRIPTION

Desktop Reader EVO LEGIC is a sleek and compact RFID reader with integrated antenna.

Equipped with USB interface as standard, this LEGIC reader and writer is also available with human interface device (HID).

The 13.56 MHz LEGIC Version offers full support for LEGIC Advant and LEGIC Prime transponders and reads the UID of multiple other chip types.

EVO Desktop Reader LEGIC allows reading ranges of up to 12 centimeters, depending on tag type and orientation.*

It is a versatile RFID device for various applications and work sites. Software Development Kit (SDK) and demo software for Windows operating systems are available for download.

UID OUTPUTS WITH LEGIC TAGS	
Desktop Reader EVO LEGIC	401B2EF9 (LSB)
Desktop Reader EVO LEGIC HID	401B2EF9 (LSB)

*Reading distance depends on tag, antenna and environmental conditions

TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

Power Supply	USB (5 Vdc)
Current Consumption	up to 125 mA (RFID + Buzzer active)
Operating Frequency	13.56 MHz
Operating Distance	up to 12 cm*
Antenna	integrated antenna
Reader IC	Legic SM-4200 (Standard), SM-4200M or SM-4500M (full access to MIFARE Classic) and SM-4500 (personalisation function) on request
RF TX Speed	up to 848 kBd
Interfaces	USB VCP, HID**
HID Output Format	hexadeimal, uppercase, MSB The HID output format can be modified on request.
Status Information	Buzzer sounds on successful tag communication.
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	120 g

ENVIRONMENTAL CONDITIONS

Operating Temperature	-25 °C ... +80 °C
Storage Temperature	-25 °C ... +80 °C
Humidity	up to 95 %, non condensing
MTBF	200'000 h

SUPPORTED STANDARDS / TAGS WITH SM-4200

Legic RF-Standard	Full read/write operation: LEGIC Advant; LEGIC Prime
ISO 14443 A + B and compatible	Read UID only: MIFARE family (Classic, Mini, DESFireEV1, Plus S/X, Pro X, Smart MX, Ultralight, Ultralight C), Infineon SLE, NTAG21x
ISO 15693 and compatible	Read UID only: EM4x33, EM4x35, I-Code SLI/SLIX, M24LR16/64, Infineon SRF55Vxx (my-d vicinity), TI Tag-it HF-I, reads UID/CSN of Inside Secure tags, e.g. HID iCLASS
ISO 18092/NFC	Passive peer-to-peer mode initiator, NFC Tag 2, 3, 4
Sony Felica	Encryption not supported

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 FTDI USB VCP Driver	Windows Server 2008/2012 R2 x64 Windows 7, 8, 8.1, 10 Windows RT Windows CE (CE 4.2-5.2, 6.0/7.0, 2013) Linux Mac OSX Android
Supported OS	Windows 7, 8, 8.1, 10
Supported Languages	C++, .NET
Demo Software	Windows

* Reading distance depends on tag, antenna and environmental conditions.
** Human Interface Device

ORDER CODES

Versions	Order Codes
Desktop Reader EVO LEGIC	R-DT-EVO-LEGIC
Desktop Reader EVO LEGIC HID	R-DT-EVO-LEGIC-HID

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