



Desktop Reader

ID INFO 500

PRODUCT DESCRIPTION

The ID INFO 500 by iDTRONIC GmbH is a high-performance RFID reader and writer with USB connectivity, designed for applications such as PC log-on, document management, retail, fitness, and healthcare.

This desktop reader operates at 13.56 MHz (HF) supporting ISO 14443 A/B. It is compatible with MIFARE® Classic, ensuring secure and efficient RFID authentication.

The configurable HID output allows customized data formats, managed via a Windows OS configuration tool, ensuring smooth operation for different transponder types.

A software development kit (SDK) for Windows and a binary command protocol ensure easy integration into other operating systems and microcontroller-based applications.

The device is CE (RED) and FCC certified and complies with RoHS 2 and REACH standards.

The ID INFO 500 is a versatile and robust RFID solution, delivering high performance and seamless integration, making it ideal for industrial, commercial, and IoT applications.



APPLICATIONS

- PC log-on
- Document Management
- Retail
- Fitness
- Healthcare

FEATURES

- USB Interface
- HID or VCP
- Integrated Antenna
- LED and Buzzer Signal

RFID OPTIONS

- HID or VCP



TECHNICAL DATA

ELECTRICAL SPECIFICATIONS

Power Supply	USB
Power Consumption	<500 mA
Operating Frequency	HF NFC: 13.56 MHz
Operating Distances	HF NFC: 5cm
Antenna	integrated
Status	1x Buzzer
Interface	USB - VPC
Connections	120 cm long cable with USB- Type-A plug

MECHANICAL SPECIFICATIONS

Dimensions	130 × 95 × 30 mm without USB cable
Specialty	Display
Display Dimension	3cm x 1.5 cm (width and length)
Weight	142 g
Housing	ABS (silver)

ENVIRONMENTAL CONDITIONS

Operating Temperature	-20 °C up to +70 °C
Storage Temperature	-20 °C up to +80 °C
Humidity	up to 95%, non condensing

STANDARD UID OUTPUT

Desktop Reader EVO HF	HexLSB
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SDK INFORMATION

Supported OS	Windows 10, 11
Supported Languages	Binary command protocol, VS2005 C++
Demo Software	Windows

APPLICABLE STANDARDS

EMC	EN 301489-1:2019-11 (v2.2.3) EN 301489-3:2019-03 (V2.1.1)
Radio Regulation	EN 300330-1:2015-03 (V1.8.1) EN 300330-2:2015-03 (V1.6.1)
Safety	EC 62368-1:2018-10 (V3.0, valid as of 2020-12-20)
RoHS 2	EC Guideline 2011/65/EU and amendment 2015/863/EU, updated by 2017/2102/EU EN 50581:2012 (valid till 2024-07-07) EN 63000:2018
REACH	EU Guideline 1907/2006, updated by 2020/171/EU
Certificates	FCC, CE

SUPPORTED STANDARDS / TAGS

RFID HF | NFC 13.56 MHz

ISO 14443 A and compatible	Read/write: MIFARE® Classic/1K
ISO 14443 B and compatible	SRI4K, SRIX4K, AT88RF020, 66CL160S, SR176

SUPPORTED LOCKING SYSTEMS

Ojmar	OTS 20 Basic, Advance & Batteryless OTS40 batteryless
BURG	Niro RFID (BURG) Flexxo (BURG) Corona 2 (BURG)

ORDER CODES

VERSION	ORDER CODE
ID INFO 500	R-EA-IN500 - ID INFO 500