

MI-DESK



❖ **Description**

MI-DESK is a Proximity Desktop Reader, which is designed in accordance with ISO14443 Type A Mifare. This intelligent Desktop reader utilizes Mifare technology to read and write to contactless smart card. It is designed based on powerful 8-bit Microprocessor to meet a simple and cost effective smart card issuing system market requirement. It is easy to use as smart card reader/writer via USB interface / RS232 interface communicated with PC. It is designed for low cost and high security as well as convenience and reliability. SDK is available for further application development.

❖ **Features**

- ▶ Proximity desktop reader for smart card issuing and application development
- ▶ Support Mifare classic, Mifare UltraLight, Mifare Pro (X), Mifare DESFire and other ISO14443A cards
- ▶ USB interface / RS232 serial interface
- ▶ Auto answer mode: permanent reading and sending the ID number
- ▶ Multicolor LED
- ▶ Excellent and compact design
- ▶ Low cost
- ▶ SDK for further application development

## ❖ Mifare® Read and Write Desktop Reader Specifications

Host Communication	: USB 1.1 / RS232 interface
Communication Speed	: (RS232) 9600 – 115200 baud rate (default 115200)
Contactless Interface	: ISO14443 Type A
Operation Frequency	: 13.56MHz
Communication Rate	: 106Kbit/s
Supported transponders	: Mifare classic, Mifare UltraLight, Mifare Pro (X), Mifare DESFire and other ISO14443 A
Indicators	: Multicolor LED One Buzzer
Power and	: 1.2 meter long USB communication cable
Communication Cable	: 1.5 meter long RS232 communication cable with splitter for the PS2 Keyboard connector
Power Supply	: Power supplied from USB connector
Current Consumption	: < 120 mA
Reading Distance	: 60mm (depending on transponders)
Operating Temperature	: 0 Deg C +65 Deg C
Operating Humidity	: 0 – 95% relative humidity non-condensing
Development Kit	: Window-based Reader API and low level communication protocol will be provided by the development kit
Special Feature	: Downloadable (ISP – In System Programmable) Firmware. The Customized firmware could be implemented to meet the user's special requirement

Specifications are subject to change without notice.

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