

RC700

Contactless smartcard reader and writer



Description

The RC700 is a USB reader for contactless smartcards with an optional SAM module for enhanced security. It accepts many 13.56MHz contactless cards, such as Mifare, for instance. Using the USB interface, the RC700 can present itself to the host as:

- **CCID - Smart card reader:** In this mode, the RC700 allows greater compatibility with programs that already work with smartcards.
- **CDC - Serial mode:** The reader presents itself as a serial port, allowing easy compatibility with Linux, Android systems, and legacy programs without support for a native smartcard interface.
- **HID - Keyboard emulation:** Behaving like a keyboard, the RC700 can be used to capture the card's serial number.

In all operating modes, the reader is automatically identified by Windows 10, not requiring any manual driver installation. A software development kit (SDK) is available to allow integration with other systems.

Warranty

6 months

Partnumbers

- RC700 USB (I0006)
- RC700 RJ12 POS (I0009)
- RC700 SAM USB (I0180)
- RC700 USB IP54 (I0235)

Applications

- Public transportation card recharge
- Access control and time attendance
- Closed loop payment applications

Contents

- RC700 USB reader

Compatibility

- Windows
- Linux PC/SC Lite

Accessories

- **RC700-SDK (I0061)** - Includes manuals, source code in C, Visual Basic, .Net and Java. Also includes scripts for easy integration.

Specifications

- **Power supply:**
5Vdc.
- **Dimensions:**
60 x 105 x 9 mm
- **Interfaces:**
USB 2.0
Serial 3V – TTL
Serial RS232 (needs optional accessory)
- **Supported media:**
ISO 14443A (Mifare: Classic, Desfire, Ultralight)

- ISO 14443B (Crypto RF, Micropass) and Jewel
ISO 7816 – smart card size ID-000 (SAM option)
- **Compatible drivers:**
CCID, CDC e HID
- **Operating temperature:**
0 to 70°C
- **Protection:**
Secure firmware update
Unique serial number
- **Protocols:**
PC/SC (CCID mode)
serial (CDC mode)
keyboard emulation (HID mode)
- **Further characteristics:**
 - Can work establishing a secure channel for communication to enhance protection.
 - Remote firmware update.

