

-CCID Dual Interface Smart Card Reader



Overview

R502 is a dual-interface smart card reader developed by Technologies. It is based on CCID driver. It supports not only contact cards compliant with ISO 7816 but also contactless cards compliant with ISO 14443 and contactless cards following Mifare standard. It also provides SIM card slots for many kinds of smart card applications. Moreover R502 comes with the SAM slot suitable for GSM 11.11 cards.

R502 is a terminal interface device for smart card applications and system integrations. With support for smart cards using different interfaces, R502 can be widely used in industries or applications requiring electronic payment and authentication, especially suitable for the high security fields. It is an optimal solution for authentication, e-commerce, financial organizations, access control etc.



Features

- USB 2.0 full speed device
- Compliant with PC/SC, CCID standards
- Firmware supports upgrading in encryption
- Reader ID is configurable
- Compliant with EMV Level 1
- Supports GSM11.11 SIM cards
- Microsoft WHQL 2000, XP, server2003, Vista, 2008, Windows 7
- Supports Windows 2000/XP/server2003/Vista/2008/Windows 7, Linux and MacOS

•For Contact Cards:

- Supports ISO 7816 T0 and T1
- Supports ISO 7816 class A, B and C
- Built-in SAM card lots suitable for GSM11.11 SIM cards

•For Contactless Cards:

- Built-in antenna
- Supports contactless smart cards compliant with ISO 14443 type A and B
- Supports Mifare classic and Mifare Ultralight C
- Contactless function can be turned off in specific environment

Key Applications

- e-Government
- e-Healthcare
- e-Passport
- e-Payment
- e-Banking
- Network Access Control

PKI Applications

- Digital Signature, Identification

Technical Specification

Interface	USB2.0 Full Speed
Supply Voltage	5VDC
Supply Current	<100mA (Without Card Plug-in)
Operating Temperature	0°C ~ 60°C
Humidity	≤90% No Condensation
Standards & Specifications	ISO 7816 ISO 14443 Mifare GSM 11.11 PC/SC, CCID EMV 2000 Level 1 CE, FCC RoHS
Supported Contact Cards	ISO7816 T=0/T=1, Class A,B and C SAM Card Compliant with GSM 11.11 Card Clock Frequency: 4MHz Card Read/Write Speed: 10753~688172bps
Supported Contactless Cards	ISO 14443 Type A and B Mifare Classic and Mifare Ultralight C Card Clock Frequency: 13.56MHz Card Read/Write Speed: 106kbps Operating Distance: 5cm~10cm
Supported OS	Windows2000/XP/2003/Vista/2008/Windows 7 Linux and Mac OS



ISO9001
ISO14001

