

Dual Interface Card Reader

eSecuRD-05 Introduction

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1. Overview

eSecuRD-05 is a card reader that supports dual-interface smart cards. It not only supports contact-type smart cards that comply with ISO/IEC 7816-1/2/3 standards (A, B, and C types), and it also supports non-contact-type smart cards that follow ISO/IEC 14443 TYPE A and TYPE B protocols. It is a terminal device for developing smart card-related applications and system integration, and is suitable for application systems such as finance, social security, telecommunications, electronic payment, network security, e-commerce, identity authentication, e-government, etc., which have IC card operations and high security requirements.



2. Product feature

- Full-speed USB 2.0 interface
- Compliant with the standard PC/SC and CCID protocols
- It supports all Class A, Class B and Class C contact smart cards that comply with the T=0 protocol of ISO7816-1/2/3
- It supports ISO 14443 Type A and Type B contactless smart cards
- It support anti-collision mechanism
- It support short-circuit protection

3. Product specification

Model	eSecuRD-05
Size	102.5*70*14.5(mm)
Power	USB power supply (5V)
Working current	<200mA
Shell material	PC
Indicator light	2 LED (Power indicator / Data communication)
External interface	USB-A+TYPE C male connector
Host communication rate	USB 2.0 full speed
Driver protocol	CCID
Operating system platform supporting	WINDOWS 7/8/10/Server-2016/2012/2008/2003, Mac OS 8以上
Card-type standard	Contact: ISO 7816 CLASS A/B/C Contactless: ISO 14443 TypeA/B
short-circuit protection	Support
Number of times that the sockets are plugged in and out	100000 times
Operating Temperature	0 ~ +60°C
Storage Temperature	-10 ~ +70°C
Operating Humidity	10%-90% (non-condensing)

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device,

pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection

against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause

harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.