



CIR135A

Contact Smart Card Reader

CIR135A Contact Smart Card Reader is a handy contact smart card reader with powerful core and modern design to bring about fast and secure data transmission for various smart card applications, such as e-government, e-healthcare and network log-on.

- Supports ISO/IEC 7816 Part 1/2/3/4 standard
- Supports full-sized ISO/IEC 7816 Class A/ B/ C cards with T=0 or T=1 protocol, J-LIS cards and memory cards
- Supports extended APDU
- Complies with CCID standard
- Conforms to PC/SC specifications
- Firmware upgradable
- Works on different operating systems
- Detachable USB cable with optional connector types: USB C or USB A

Handy

Interoperable

Ergonomic



Accessory

- 1m USB detachable cable





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Contact Smart Card Interface

Standard	ISO/IEC 7816 Part 1/2/3/4
Protocol	T=0, T=1
Supported Card Types	ISO/IEC 7816 Class A/ B/ C (5V/ 3V/ 1.8V) cards, J-LIS cards, Memory cards
Supported Card Size	ID-1 (Full size)
Supply Current	60 mA @5V, 50mA @ 3V and 30mA @1.8V
Speed	9.6 – 826 kbps
Short Circuit Protection	Support
Clock Frequency	Up to 16 MHz (Default: 4.8 MHz)
Card Connector	Sliding, Min. 100,000 insertion cycles
Extended APDU	Support

Physical Characteristics

Dimensions	70.0 mm (L) x 48.0 mm (W) x 10.5 mm (H)
Weight	46.2 g (± 5 g)
Casing	White and Grey ABS

Host Interface

USB Standard	USB 2.0 Full Speed (12 Mbps)
USB Connector Type	Type C (Female)
USB Cable	1m, Detachable USB Cable

Power

Power Supply	USB Bus-powered (5V DC)
Current Consumption	<100 mA (Operating), <2 mA (Standby)

Human Interface

LED	1 LED: 1 Blue (Operation Status)
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Software and Driver

Firmware Upgradable	Support, via USB
Driver	CCID
Application Programming Interface (API)	PC/SC

Operating Conditions

Operating Temperature	-10 – 55 °C
Operating Humidity	Max. 95% (non-condensing)
Storage Temperature	-20 – 70 °C
Meantime Between Failure (MTBF)	600,000 hours

Compliance/ Certifications

Standards/ Systems	ISO/IEC 7816, EMV Co Contact Terminal Level 1, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/ Environmental	EN 62368, BSEN 62368, CE, FCC, UKCA, VCCI, RoHS3, REACH

Operational Environment

Supported Operating Systems	Windows® 7 SP1 and above, Linux®, macOS® 10.12 and above, Android™ 6.0 and above
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Ordering Information

Product Code	CIR135A-02: USB Type C (Male) to Type C (Male) Cable (Standard)
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