

CIR125C

Contact Smart Card Reader

CIR125C Contact Smart Card Reader transforms from a dongle into a full-sized smart card reader in a single swivel. With CIR125 powerful core, it realises fast and secure data transmission for various smart card applications, such as access control, 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 upgradeable
- Works on different operating systems
- Optional connector types: USB A or USB C





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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	55 mA in Class A/ B/ C
Speed	9.6 – 826 kbps
Short Circuit Protection	Support
Clock Frequency	Up to 12 MHz (Default: 4.8 MHz)
Card Connector	Sliding, Min. 100,000 insertion cycles
Extended APDU	Support

Physical Characteristics

Dimensions	59.1 mm (L) x 20.6 mm (W) x 12.8 mm (H)
Weight	10.6 g (± 0.5 g)
Casing	White ABS

Host Interface

Power Supply	USB Bus-powered
Current Consumption	<100 mA (Operating) <2 mA (Standby)
USB Standard	USB 2.0 Full Speed (12 Mbps)
USB Connector Type	Default: Type A Optional: Type C

Human Interface

LED	1 LED: 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	0 – 65 °C
Operating Humidity	Max. 95% (non-condensing)
Storage Temperature	-10 – 70 °C
Meantime Between Failure (MTBF)	600,000 hours

Compliance/ Certifications

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

Operational Environment

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

Product Code	CIR125C-01: USB Type A Connector (Standard) CIR125C-02: USB Type C Connector
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