

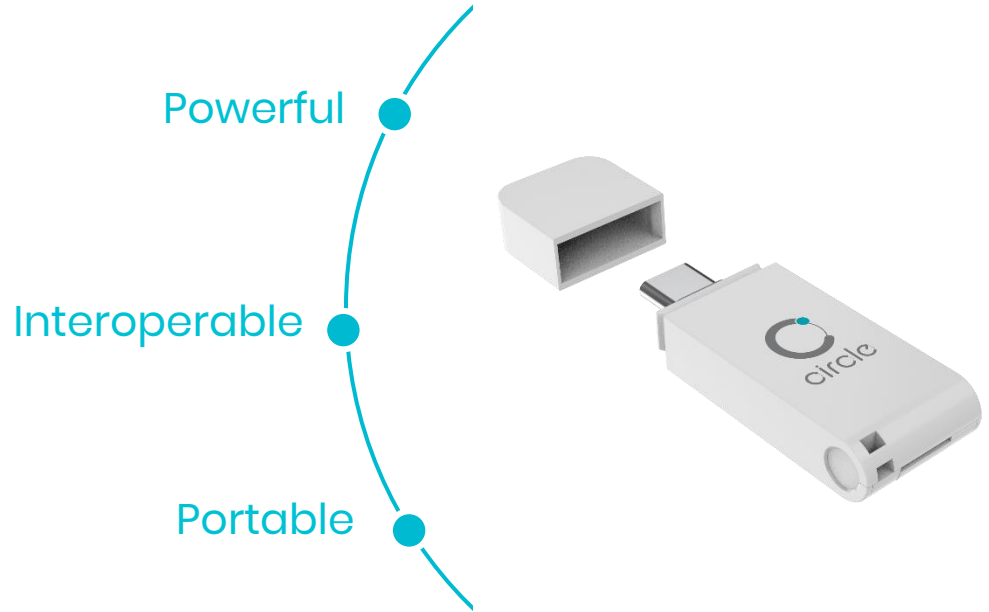


# CIR115B

## SIM-Sized Contact Smart Card Reader

CIR115B SIM-Sized Contact Smart Card Reader is an ideal solution for various SIM-sized smart card applications on the go. Its portable and extra-slim design is ergonomic. With CIR115 powerful core, it brings about fast and secure data transmission for applications, such as access control, e-government, e-healthcare and network log-on.

- Supports ISO7816 Part 1/3/4 standard
- Supports SIM-sized ISO7816 Class A/ B/ C cards with T=0 or T=1 protocol
- Supports extended APDU
- Complies with CCID standard
- Conforms to PC/SC specifications
- Works on different operating systems
- Optional connector types: USB A or USB C



**Contact Smart Card Interface**

Standard	ISO/IEC 7816 Part 1/3/4
Protocol	T=0, T=1, Memory card
Supported Card Types	ISO7816 Class A/ B/ C (5V/ 3V/ 1.8V) cards
Supported Card Size	ID-000 (SIM size)
Supply Current	55mA in Class A/ B/ C
Speed	9.6 – 826 Kbps
Short Circuit Protection	Support
Clock Frequency	Up to 16MHz (Default: 4.8MHz)
Card Connector	Sliding, Min. 100,000 insertion cycles
Extended APDU	Support

**Physical Characteristics**

Dimensions	51.0mm (L) x 17.8mm (W) x 9.0 mm (H)
Weight	7.0g (± 0.5 g)
Casing	White ABS

**Host Interface**

Power Supply	USB Bus-powered
Current Consumption	<100 mA (Operating), <2mA (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**

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/IEC7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
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Regulatory/ Environmental	EN 62368, CE, FCC, VCCI, RoHS3, REACH
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**Operational Environment**

Supported Operating Systems	Windows® 7 and above, Linux®, Mac OS® 10.12 and above, Android™ 6.0 and above
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**Ordering Information**

Product Code	CIR115B-01: USB Type A Connector, CIR115B-02: USB Type C Connector (Optional)
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