

CIM115A

Contact Smart Card Reader Module

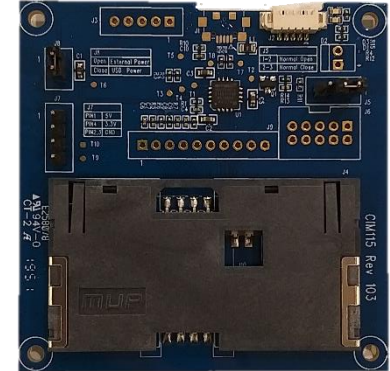
CIM115A Contact Smart Card Reader Module is ready to integrate and fit for your embedded systems, terminals, vending machines and kiosks. This fast and robust module enables secure authentication for smart card applications.

- 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
- Works on different operating systems
- Optional connector types: Molex 5-pin or Micro USB

Fast

Interoperable

Robust





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Contact Smart Card Reader Module

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 16 MHz (Default: 4.8 MHz)
Card Connector	Sliding, Min. 100,000 insertion cycles
Extended APDU	Support

Physical Characteristics

Dimensions	68.6 mm (L) x 68.6 mm (W) x 5.5 mm (H)
Weight	24.0 g (± 2 g)

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: Molex 5-pin Optional: Micro USB

Human Interface

LED	2 LEDs: 1 Blue (Operation Status), 1 Green (Power)
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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/IEC 7816, EMVCo Contact Terminal Level 1, USB 2.0 Full Speed, CCID, Microsoft® WHQL
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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	CIM115A-01: Molex 5-pin Connector (Standard) CIM115A-02: Micro USB Connector
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