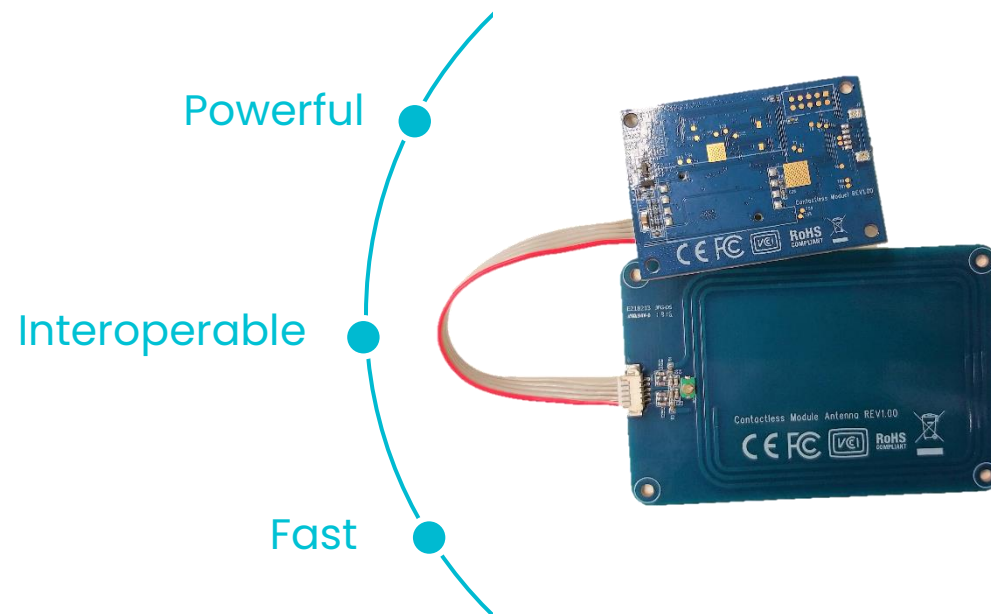


CIM315A

Contactless Smart Card Reader Module with Detachable Antenna

CIM315A Contactless Smart Card Reader Module with Detachable Antenna maximizes your embedded systems with powerful contactless technology and secure access module (SAM).

- Supports ISO/IEC 14443, ISO/IEC 18092 and ISO/IEC 15693 standards
- Supports ISO/IEC 14443-4 Type A & B cards, ISO/IEC 15693-3 cards, MIFARE® series, FeliCa, J-LIS cards, Calypso and NFC Forum Type 1/2/3/4/5 Tags
- Supports 1 x ISO/IEC 7816 Part 3/4 SAM slot
- Supports extended APDU
- Complies with CCID standard
- Conforms to PC/SC specifications
- Firmware upgradable
- Works on different operating systems
- Optional connector types: Molex 5-pin or Micro USB





CIM315A

Contactless Smart Card Reader Module with Detachable Antenna

Contactless Smart Card Interface

Standard	ISO/IEC 14443, ISO/IEC 18092, ISO/IEC 15693
Protocol	T=CL (translated to T=I for PC/SC compliance)
Operating Frequency	13.56 Mhz
Supported Card Types	ISO/IEC 14443-4 Type A & B Cards, ISO/IEC 15693-3 Cards, MIFARE® series: Classic/ Plus/ Ultralight/ Ultralight C/ DESFire/ DESFire EV1/ DESFire EV2, etc. FeliCa (Standard/ Lite/ Plug), Calypso, J-LIS Cards, NFC Forum Type 1/2/3/4/5 Tags
Speed	106/ 212/ 424/ 848 kbps (Default: 424 kbps)
Reading Distance	Up to 50 mm (depending on tag type)
Extended APDU	Support

SAM Card Interface

Standard	ISO/IEC 7816 Part 3/4
Protocol	T=0, T=1
Supported Card Types	ISO/IEC 7816 Class A (5V) cards
Supported Card Size	ID-000 (SIM size)
Speed	9.6 – 125 kbps
Clock Frequency	4.0 MHz

Physical Characteristics

Dimensions	Main board: 56.1 mm (L) x 40.0 mm (W) x 8.2 mm (H) Antenna board: 90.0 mm (L) x 60.0 mm (W) x 4.9 mm (H)
Weight	29.0 g (± 2 g)

Host Interface

Power Supply	USB Bus-powered
Current Consumption	<250 mA (Operating) <50 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)
Buzzer	Monotone

Software and Driver

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

Operating Conditions

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

Compliance/ Certifications

Standards/ Systems	ISO/IEC 14443, ISO/IEC 18092, ISO/IEC 15693, ISO/IEC 7816 (SAM slot), USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/ Environmental	EN 62368, CE, FCC, VCCI, MIC, 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	CIM315A-01: Molex 5-pin Connector (Standard) CIM315A-02: Micro USB Connector
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