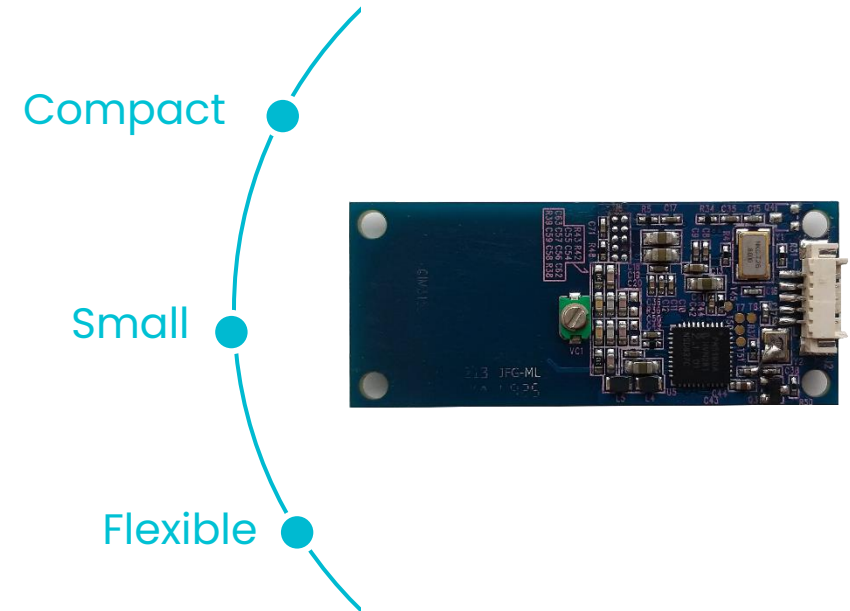


CIM315C

Compact Contactless Smart Card Reader Module

CIM315C Compact Contactless Smart Card Reader Module is an ultra-small and compact module that can be easily integrated into laptops and mobile devices for contactless smart card applications.

- 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, Calypso and NFC Forum Type 1/2/3/4/5 Tags
- Supports extended APDU
- Complies with CCID standard
- Conforms to PC/SC specifications
- Firmware upgradable
- Works on different operating systems
- Optional connector types: FFC&FPC or Molex 5-pin





CIM315C

Compact Contactless Smart Card Reader Module

Contactless Smart Card Interface

Standard	ISO/IEC 14443, ISO/IEC 18092, ISO/IEC 15693
Protocol	T=CL (translated to T=1 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, NFC Forum Type 1/2/3/4/5 Tags
Speed	106/ 212/ 424/ 848 kbps
Reading Distance	Up to 40 mm (depending on tag type)
Extended APDU	Support

Physical Characteristics

Dimensions	52.0 mm (L) x 22.0 mm (W) x 5.7 mm (H)
Weight	3.8 g (± 0.2 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: FFC&FPC Optional: Molex 5-pin

Human Interface

LED	2 LEDs: 1 Blue (Operation Status), 1 Green (Power)
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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, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/ Environmental	EN 62368, CE, 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	CIM315C-01: FFC&FPC Connector (Standard) CIM315C-02: Molex 5-pin Connector
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