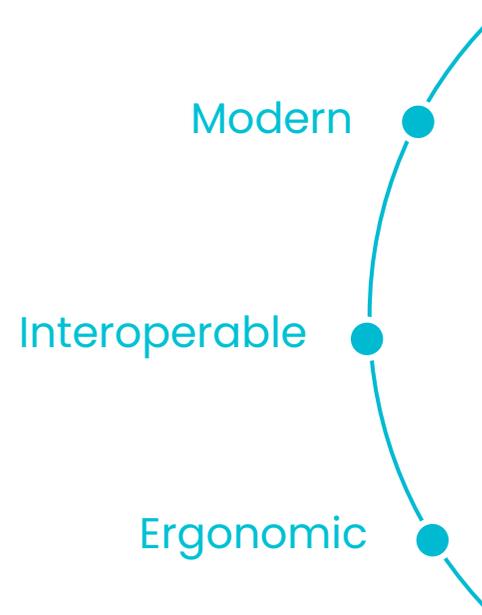


# CIR215A

## Contactless Smart Card Reader

Combining the contactless technology with modern design, CIR215A Contactless Smart Card Reader is an ideal choice for contactless applications such as e-government, access control, network log-on, transportation and payment.

- Supports ISO/IEC 14443 and ISO/IEC 18092 standards
- Supports ISO/IEC 14443-4 Type A & B cards, MIFARE® series, FeliCa, J-LIS cards and NFC Forum Type 1/2/3/4 Tags
- Complies with CCID standard
- Conforms to PC/SC specifications
- Works on different operating systems
- Optional connector types: USB A or USB C





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## Contactless Smart Card Interface

Standard	ISO/IEC 14443, ISO/IEC 18092
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, MIFARE® series: Classic/ Plus/ Ultralight/ Ultralight C/ DESFire/ DESFire EV1/ DESFire EV2, etc. FeliCa (Standard/ Lite/ Plug), J-LIS Cards, NFC Forum Type 1/2/3/4 Tags
Speed	106/ 212/ 424 kbps
Reading Distance	Up to 50 mm (depending on tag type)

## Physical Characteristics

Dimensions	98.0 mm (L) x 66.0 mm (W) x 11.0 mm (H)
Weight	75.0 g (± 5 g)
Casing	White and Grey ABS

## Host Interface

Power Supply	USB Bus-powered
Current Consumption	<200 mA (Operating), <2 mA (Standby)
USB Standard	USB 2.0 Full Speed (12 Mbps)
USB Connector Type	Default: Type A Optional: Type C
USB Cable	1m

## Human Interface

LED	2 LEDs: 1 Blue (Operation Status), 1 Green (Power)
Buzzer	Monotone

## 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 14443, ISO/IEC 18092, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/ Environmental	EN 62368, BSEN 62368, CE, UKCA, 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	CIR215A-01: USB Type A Connector (Standard) CIR215A-02: USB Type C Connector
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