

MARKLAND

MCR3701

Contactless Smart Card Reader with USB Type A and Type C



Contactless USB CCID Smart card reader/writer supports ISO/IEC 14443& ISO/IEC18092

MCR3701 Contactless Smart Card Reader is perfect for mobile users, with USB Type A and Type C Dual Connectors, and is especially designed for NFC applications requiring great portability and utmost user convenience. Although slim, the dimensions of this reader have been optimized to ensure the best radio frequency (RFID) performance possible. Developed based on the 13.56 MHz Contactless (RFID) Technology and the ISO/IEC 18092 standard for Near Field Communication (NFC), it supports not only Mifare and ISO 14443 Type A and B cards but also all four types of NFC tags

With MCR3701, the end user experiences convenience, transaction-time efficiency, security, flexibility and full NFC capability for applications such as network log-on, secure web-based transactions and even NFC-based customer loyalty programs. This sleek and simple pocket-sized reader is designed to be used anytime and anywhere, perfectly fit for your smart card solutions.

User Convenience

- Dual Connectors: Whether connecting to your laptop or to a phone, we've got you covered with a USB-A connector on one side and a USB-C connector on the other

Convergent

- Features contactless and NFC technologies for use with mixed credential populations and form factors

Interoperable

- Supports major card ICs, standards and technologies in just one device

Fast

- Transaction time optimized with 848 kbs support in ISO/IEC 14443 for maximum end-user acceptance

Parameter	Details
Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication Speed	12 Mbps (USB 2.0 full speed)
Supported Contact Card ICs	•Lascom cards • MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso, CD21, NFC Forum Tag types 1/2/3/4
Data Transfer Rate	106, 212, 424, or 848 kpbs, depending on card IC
Antenna	Integrated
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: • Windows® 7/8/10/11 (32 and 64 bit), Windows® Server 2008/2012/2016/2019, WindowsXP, • MacOS 10.9.x - 12.2.x, • Linux 2.6.x, and 3.x, 4.x, 5.x (32 and 64 bit), • Android 8.0 and higher
Software	PC/SC API; CT-API (through wrapper on top of PC/SC); M-Card API (through wrapper on top of PC/SC)
Operating Conditions	
Power Supply	USB Bus-powered
Power Consumption	50mA, excluding card
Dimensions(L x W x H)	75 x 25 x 17 mm
Weight	16 g ± 5%
Operating Temperature Range	0° to 50° C (32° to 122° F)
Storage Temperature Range	-25° to 85° C (-13° to 185° F)
Operating Humidity Range	Up to 95% RH non-condensing
Connector	with USB Type A and Type C Dual Connectors
Status Indicator	LED
Firmware	SmartOS™
Firmware In-Field Upgradeable	Yes
Certifications / Compliance	
Systems/Standards	ISO/IEC 14443, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	RoHS

Typical Applications:

- e-Government
- Banking & Payment
- e-Healthcare
- Access Control
- Network Security
- e-Purse & Loyalty
- Transportation

