

MARKLAND

MCR 553

High-frequency
contactless smart card reader



MCR 553

Contactless Card Reader



Contactless Smart Card Interface

Card Size	- ID-1 (Full size) - Tokens - NFC-enabled smartphones
Card Types	National e-ID Cards, Residence Permits, Driver's Licenses, Health Cards, Payment Cards, Transit Cards, Access Control Cards, NFC Tags, Mobile Phones with NFC
Standards	- ISO/IEC 14443 - NFC Forum Tag Types 1, 2, 3, 4
Supported Card Types	- ISO 14443 Type A & B - MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k) - FeliCa™ - Calypso - CD21 - NFC Forum Tag types 1, 2, 3, 4
Operating Frequency	13.56 MHz
Reading Distance	Up to 50 mm (Depending on tag type)
Read / Write Speed	Up to 848 kbps (ISO14443)
Supported NFC Mode	Card Reader/Writer

Host Interface

Protocol	USB CCID
Connector Type	USB Type- A connector; 150 cm cable
Speed	USB 2.0 Full Speed (12 Mbps)
Supply Voltage	5VDC
Current Consumption	Max. 300mA
USB Firmware Upgrade	Supported

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Physical Characteristics

Dimension	90 x 58 x 7.8 mm
Weight (±5 g)	48 g
Status Indicator	Green & Red LED

Operating Conditions

Operating Temperature	0° to 50° C
Operating Humidity	10-95% rH
Storage Temperature	-25° to 85° C

Certification & Compliance

Certifications	CE, RoHS, Microsoft® WHQL
Compliance	ISO/IEC 14443, USB 2.0 Full Speed, USB CCID

Drivers & Support

Driver Supported OS	• Windows® 7/8/10/11 (32/64 bit) • Server 2008/2012/2016/2019 • Windows XP • macOS 10.9.x - 12.2.x • Linux 2.6.x, 3.x, 4.x, 5.x (32/64 bit) • Android 8.0 and higher
Supported APIs	• PC/SC - API • CT-API (through wrapper on top of PC/SC)

Warranty

Warranty	1 year
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