

MARKLAND

MCR 7001

High-frequency
Contactless Smart Card
Reader with QR



Contactless Smart Card Interface

Card Size	• Tokens • NFC-enabled smartphones
Card Types	Tokens, NFC-enabled Smartphones,NFC Wearables, NFC Cards, NFC Tags, Mobile Wallet Credentials
Standards	• ISO/IEC 14443 Type A & B Parts 1-4 • ISO/IEC 18092 (NFC)
Supported Card Types	• ISO 14443 Type A & B • MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), Calypso , CD21 • FeliCa™ • 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

QR Interface

Sensor	CMOS
Resolution	640 x 480 px
Field of View (FOV)	Diagonal: 73°, Horizontal: 61°, Vertical: 48°
Scan Angle	Pan: 360°, Tilt: ±60°, Rotation: ±60°
QRs	Supported 1D/2D barcodes and PDF 417

Host Interface

Protocol	USB CCID
Connector Type	USB Type- A connector; 150 cm cable
Speed	USB 2.0 Full Speed (12 Mbps)

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All-in-One Reader

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Supply Voltage 5VDC

Current Consumption Max. 350 mA

USB Firmware Upgrade Supported

Physical Characteristics

Dimension 106 x 72 x 18 mm

Weight (±5 g) 130 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

Warranty

Warranty 1 year