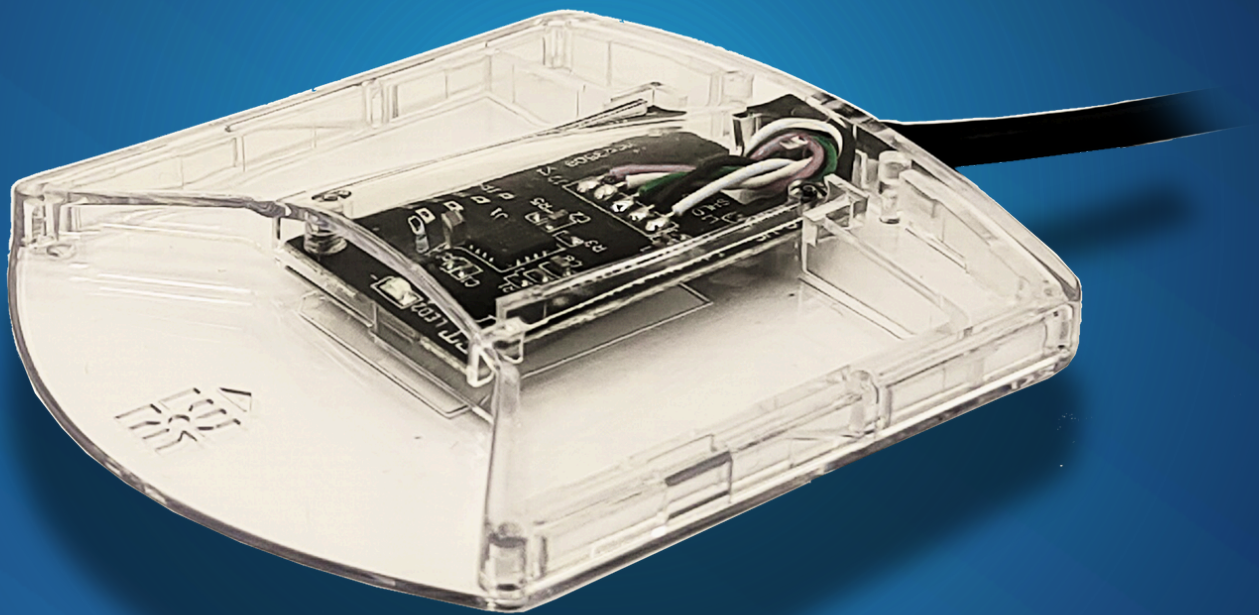


MARKLAND

MCR 3508 Series

High-performance smart card
reader with a USB interface



MCR 3508 Series

Smart Card Reader

MARKLAND

Smart Card Interface

Card Size	ID-1 (Full size)
Card Types	National ID Cards, Residence Permits, Driver's Licenses, Health Cards, EMV Chip Cards (Banking)
Standards	- ISO/IEC 7816 Part 1 to 4 - EMV 2011 Ver 4.3 Level 1 (compliant)
Supported Card Types	Class A: 5V @ 60 mA; Class B: 3V @ 55 mA; Class C: 1.8V @ 35 mA
Protocols	Asynchronous: T=0, T=1; Synchronous: I ² C, 3-wire
Insertion Cycles	100,000
Interface Speed	Up to 600 kbps
Clock Frequency	up to 16 MHz
Detection	Movement detection with auto power-off; Automatic detection of smart card type; Short circuit and thermal protection
8-Pin Handling	C4/C8 supported; Sliding contact socket

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. 60mA
USB Firmware Upgrade	Not Supported

Physical Characteristics

Dimension	70 x 71 x 7.5 mm
Weight (±5 g)	50 g
Status Indicator	Green Led

MCR 3508 Series

Smart Card Reader

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Operating Conditions

Operating Temperature	0° to 50° C
Operating Humidity	10-95% rH
Storage Temperature	-20° to 60° C

Certification & Compliance

Certifications	CE, RoHS, Microsoft® WHQL
Compliance	ISO/IEC 7816, USB 2.0 Full Speed, USB CCID, EMV 2011 Ver 4.3 Level 1

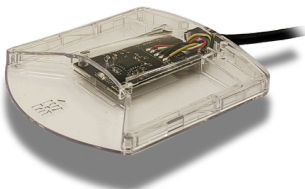
Drivers & Support

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

Warranty

Warranty	1 year
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Meet MCR 3508 Series



USB Type-A
connector



USB Type-A&C
connector



USB Type-C
connector