

MARKLAND

MCR 3501

Compact Smart Card Reader



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Smart Card Reader



Contact Smart Card Interface

Card Size	ID-1 (Full size) or ID-4 (Nano size)
Card Types	National ID Cards, CAC, PIV, Residence Permits, Driver's Licenses, Health Cards, SIM Cards, EMV Banking Chips
Standards	• ISO/IEC 7816 Part 1 to 4 • EMV 2011 Ver 4.3 Level 1 (compliant) • GSA FIPS 201
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	30,000
Interface Speed	Up to 600 kbps
Clock Frequency	up to 16 MHz

Host Interface

Protocol	USB CCID
Connector Type	USB Type-C connector
Speed	USB 2.0 Full Speed (12 Mbps) / USB 1.1
Operating Systems	• Windows® 7/8/10/11 (32/64 bit) • Windows® 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 4.0 and higher
Driver	CCID native driver from operating system
Supported APIs	PC/SC - API

Physical

Dimensions	49 x 22 x 13.5 mm
Weight	15 g
Status Indicator	Green LED

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Operating Conditions

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

Certification & Compliance

Certifications	CE, RoHS
Compliance	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL

Warranty

Warranty	1 year
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