MARKLAND

MCR553

13.56 MHz Contactless Smart Card Reader/Writer

Contactless smart card reader/writer powers a wide variety of NFC and contactless applications.

MCR553 is the ideal combination of contactless and near ffeld communication (NFC) technologies. This PC-linked reader works in enduser environments where virtually all kinds of contactless credentials are used, even in mixed populations. With its all-in-one concept, MCR553 enables a smooth transition from well-established traditional technologies into emerging NFC applications, supporting new business. It represents the perfect mix between modern, stylish design and the same ergonomic operation of any credential form factor, like ID-1 cards, tokens, or NFC-enabled smart phones.

The Identiv driver platform and Windows® Plug-and-Play driver support allow seamless integration into any end-user environment with very little or no administration. MCR553 can even be used in Android based systems. It is ffexible, reliable, and provides a perfect return on investment. A stand base kit is offered as an optional accessory and simpliffes use as a desktop reader/writer.

Convenient

• Modern, compact design for easy and ergonomic operation in limited-space environments

Convergent

• Supports mixed credential populations and form factors
• Features 13.56 MHz contactless and NFC

Interoperable

• Supports major card ICs, standards and technologies

Fast

• Transaction time optimized with 848 kbs support in ISO/IEC 14443 for maximum end-user acceptance
• Ready-to-use driver support for all major PC operating systems

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	• 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)	90 x 58 x 7.8 mm
Weight	48 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	1.5m USB cable with USB type A connecto
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

TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE.

REVISION DATE: 2024-10-31

For more information:
www.mttek.hk
www.markland.com.cn