

# MARKLAND

# MCR3591

## Keyboard with Dual Interface Smart Card Reader



### Comfortable USB Wired Keyboard with Built-in Dual Interface Smart Card Reader

- supports contact ISO/IEC 7816 (ID-1 Slot) contactless ISO/IEC 14443.

The MCR3591 is an ergonomic, intelligent and comfortable keyboard with an integrated dual-interface smart card reader/writer with IDENTIV chip solution. It represents a groundbreaking solution, seamlessly combining a PC keyboard, ISO/IEC 7816 contact card, 13.56 MHz contactless technology, and NFC technology into one device.

With its all-in-one concept, the MCR3591 stands out in the two traditional industries of smart card readers and keyboards, and smoothly transitions from well-established traditional technologies into emerging NFC applications, pushing new

It represents the perfect mix between modern, stylish design and the ergonomic use of any credential form factor, including ID-1 cards, key fobs, tokens, or NFC phones. Experience convenience, transaction-time efficiency, security, flexibility, and NFC capability for applications such as network log-on, secure web-based transactions, government use cases like tax declarations, or even NFC-based customer loyalty programs. The keyboard has a waterproof design with drainage holes for easy cleaning, adjustable tilt, and a 1.5-meter cable to increase flexibility and comfort. Its black color makes it an ideal keyboard for any type of environment.

### User Convenience

- Comfortable keyboard and Dual Interface Smart Card Reader in one!

### Reliable, fast, and secure

- Using IDENTIV's smart card reader chip solution, Transaction time optimized with support of 848 kbps in ISO/IEC 14443 and 600 kbps in ISO/IEC 7816 for maximum end user acceptance

### Mute button design

- The keyboard keys are silently designed, whether in a quiet office, Studying in the library or working late at night will create a comfortable keystroke environment for you.

### UV process, long wear life

- UV technology is adopted for key characters, which is durable, wear-resistant and has longer service life.

Parameter	Details
Keyboard	
Interface	USB 2.0 / USB 1.1
Keyboard	layout English (customizable)
Key Number	106 keys
Status LEDs	Num lock, Caps lock, Scroll lock
Connection type	Wired
Keyboard type	Membrane
Contact Smart Card Reader	
Chip Solution	IDENTIV
Supported Standards	ISO/IEC 7816 Part 1 to 4, EMV 2011 Ver 4.3 Level 1 (compliant)
Supported Tag ICs	All major ISO/IEC 7816 compliant smart cards and synchronous cards
Smart Card Protocols	T=0, T=1, synchronous cards I2C and 3-wire
Smart Card Interface Speed	<ul style="list-style-type: none"><li>Up to 600 kbps (depending on card)</li><li>TA1=97</li></ul>
Smart Card Clock Frequency	ISO/IEC 7816 compliant; Operates up to 16 MHz
Supported Smart Card Types	5V, 3V, and 1.8V; ISO 7816 smart card Class A, B, and C
Smart Card Detection	Card present switch; Automatic power on/off; Short circuit protection
Card Size	ID-1
Contact Type	<ul style="list-style-type: none"><li>8 pin ID-1 Sliding Contact Socket</li><li>C4/C8 support</li><li>Card present switch</li></ul>
Contactless Smart Card Reader	
Supported Contactless Standards	ISO/IEC 14443, ISO/IEC 18092
Protocols	T=CL
Supported Contactless Card ICs	MIFARE® Classic Family, MIFARE Ultralight Family, MIFARE Plus Family, MIFARE DESFire Family, FeliCa™, NFC Forum Tag types 1/2/3/4
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: <ul style="list-style-type: none"><li>Windows® 7/8/10/11 (32 and 64 bit), Windows® Server 2008/2012/2016/2019, Windows XP,</li><li>MacOS 10.9.x - 12.2.x,</li><li>Linux 2.6.x, and 3.x, 4.x, 5.x (32 and 64 bit),</li><li>Android 4.0 and higher</li></ul>
General	
Power Supply	USB Bus-powered
Color	Black
Material	ABS
Cable length	1.5±0.01m
Dimensions(L x W x H)	443 x 149 x 46 mm
Net Weight	495g ± 5%
Gross Weight	621g ± 5%
Packing size(L x W x H)	467 x 175 x 52 mm
Operating Temperature Range	0° to 50° C
Storage Temperature Range	-10° to 65° C
Operating Humidity Range	Up to 95% RH non-condensing
Certifications / Compliance	
Systems/Standards	ISO/IEC 7816, ISO/IEC 14443, , ISO/IEC 18092, USB 2.0, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, RoHS