

# MARKLAND

## MCR3590

### Keyboard with Contact Smart Card Reader



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

- ideal for online banking / secure access / eID card reader.

The MCR3590 is a functional USB wired keyboard with built-in IDENTIV chip Smart Card Reader. It is built on a highly resistant which ensures maximum reliability and durability material. The built-in Smart Card Reader brings extra security and ease for identification systems, secure web applications, and secure logon. Due to its secure nature, smart card keyboards are extensively used by industries like banking, healthcare, e-commerce, and government agencies. This device supports multiple international standards including ISO7816 for IC card standard, PC/SC for Windows Smart Card standard, Microsoft WHQL, and CCID standard.

The MCR3590 is an efficient and accurate Smart Card reader solution. The keyboard with the integrated card reader solution will help minimize the clutter of an external, free-standing card reading device on your desk. 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 e-ID card reader in one!

#### Reliable, fast, and secure

- Using IDENTIV's smart card reader chip solution, Transaction time optimized with support of 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>
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	485g ± 5%
Gross Weight	611g ± 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, USB 2.0, PC/SC, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, RoHS