



Standalone Module ML 4



The ML 4 range of input modules offer a combination of data input and capture technologies, from contact, contactless (RFID/NFC) and biometric data capture, all in one small highly configurable module. System builders can now seamlessly add additional authentication methods, saving costs and providing increased levels of security and data capture.

The ML 4 is ideal for a range of environments, such as retail, aviation, hotel, government, corporate and banking applications. Capturing data from users and customers becomes a simple and fast process, improving both, the user experience and the integrity of system data capture.

Smart card readers and biometric fingerprint readers both eliminate and reduce costs associated with forgotten passwords and password resets. This greatly reduces fraud from co-worker false log on and helps with regularity compliance, financial regulations and audit trails.

Features

- Integrated robust readers providing a small footprint
- Combines contact, contactless and biometric technologies
- Supports major cards and standards
- RFID/NFC
- ePassport reading
- Micro-USB interface
- Also available as a RFID/NFC only version

About PrehKeyTec

PrehKeyTec GmbH is a leading international manufacturer of high-quality data input systems. The product range includes modular keyboards as well as multifunctional reading devices and connectors.

ML 4 Technical Data

General

- USB Voltage**
 - 5 V ± 5%
- USB Current**
 - < 500 mA
- Operating System**
 - Windows 7 or newer, others on request

Contact Smart Card Interface

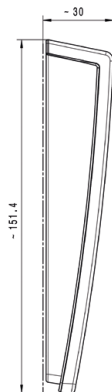
- Standards & Protocols**
 - ISO 7816 Class A/B/C
T=0, T=1, S=8, S=9, S=10 (I²C, 2WBP, 3WBP)
- Card Size**
 - ID-1 (full-size)
- Smart Card Interface Speed**
 - 420 kbps (when supported by card)
- Supported Card Types**
 - 5 V, 3 V and 1.8 V smart cards, ISO 7816 Class A, AB and C
- Power to Smart Card**
 - 60 mA
- 8 Pin Handling**
 - C4/C8
- Supported APIs**
 - PC/SC-API, CT-API (on top of PC/SC), OCF (on top of PC/SC)
- Status Indicator**
 - Bi-color LED
- Durability**
 - 100,000 insert cycles
- Driver**
 - CCID native driver from operating system (Windows/Linux/Mac)

Contactless Smart Card Interface

- Standards & Protocols**
 - T=CL, MIFARE®, iCLASS®, ISO 14443A/B - up to 848 kbps (depending on card), iCLASS 15693 up to 26 kbps (depending on card), NFC Tag 1,2,4
- Operating Frequency**
 - 13.56 MHz

Optical Fingerprint Reader

- Pixel Resolution**
 - 512 dpi
- Scan Capture Area**
 - 14.6 mm (width at center) 18.1 mm (length)
- Color**
 - 8-bit grayscale (256 levels of gray)
- Indicator LED**
 - Blue LED



For more information consult our manual:



Subject to alterations 06/18 JM