Standalone module ML 4

Description

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 POS, aviation, hotels, government, SME, 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 finger print 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 foot print
- Combines contact, contactless and biometric technologies
- Supports major cards and standards
- RFID/NFC
- ePassport reading

PrehKeyTec GmbH is a leading international manufacturer of high-quality data input systems. Products include modular standard keyboards which are particularly suitable for professional use due to their high level flexibility and extreme reliability.
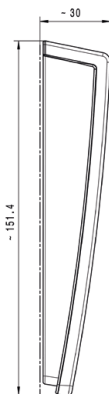
Datasheets

ML 4 Technical Data

Contact Smart Card Interface

Standards	• ISO 7818 & EMV 2000 Level 1
Protocols	• T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I2C (S=8)
Card Size	• ID-1 (full-size)
Smart Card Interface Speed	• 420 kbps (when supported by card)
Supported Card Types	• 5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, AB and C
Power to Smart Card	• 60 mA
8 Pin Handling	• C4 / C8
Supported APIs	• SupportedPC/SC driver (ready for 2.01), CT-API (on top of PC/SC), OCF (on top of PC/SC), Synchronous API (on top of PC/SC)
Status Indicator	• Two LEDs
Durability	• 100,000 insert cycles
Compliance / Certification	• Microsoft® WHQL[3], EMV[2] 2000 Level 1, ISO 7816, HBCI, USB 2.0 (USB 1.1 compatible), CCID (contact interface only)

Contactless Smart Card Interface

- ISO 14443 A with 424 Kbps transmission rate (depending on card)
- ISO 14443 B with 424 Kbps transmission rate (depending on card)
- ISO 15693 with 26 Kbps transmission rate (depending on card)

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)
Specification	• Compatible with USB 1.0, 1.1 and 2.0 (Full Speed)
Indicator LED	• Blue LED
Compliance	• Windows® 7, Vista®, XP Professional, 2000 and Windows Server 2000, 2003, 2008
SDK	• Software Development Kit on demand

Änderungen vorbehalten 02/17 MS