

MARKLAND

MEPR 3000

An all-in-one ID and document reader



A next-generation, all-in-one smart keyboard designed for seamless identity capture, integrating **ID and document reading**, **contact** and **NFC** smart card capabilities, as well as **MRZ** and **QR code** scanning to enable fast, accurate, and secure verification of global IDs and travel documents.

MEPR 3000 is a highly integrated smart keyboard that combines standard keyboard input with MRZ recognition, QR and barcode scanning, NFC, and ISO7816 contact smart card read/write capabilities; all within a single device.

Powered by an advanced MRZ recognition engine and NFC functionality, the MEPR 3000 reads and verifies chip data from ICAO 9303-compliant travel documents in a fast and secure way.

It also supports QR code scanning and features a reliable ISO7816 contact card module, making it suitable for a wide range of applications including identity verification, card issuance, and secure data processing.

Designed for easy system integration, it allows automated data transfer into existing platforms, minimizing manual input, reducing errors, and enhancing overall process efficiency.

The MEPR 3000 is an ideal for high-traffic environments such as hotels, banks, government service centers, airport check-in counters, telecom service points, customs and border controls.

Layout

- Standard
- 104-key US

Keyboard

- Cherry mechanical key switches with a 50 million keystroke lifespan

Document Reader

- Reads travel document information via MRZ + NFC chip, including ICAO 9303 compliant passports, visas, ID cards, residence permits

All-in-one Reader

- Supports contact ID cards and contactless card reading, and QR code applications. QR code scanning supports credentials from Apple Wallet® and Google Wallet

Durability

- Equipped with a steel chassis for sturdiness and durability

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Parameter	Details
Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Keyboard	104-key US standard layout (mechanical switches)
Document Reader	
Supported Font	OCR-B
MRZ & NFC Reading	ICAO 9303 specification Parts 1-4; ISO 18013 Driving Licence
Speed	Up to 848kbits/s
Contract Smart Card Reader	
Supported ICs	All major ISO/IEC 7816 compliant Smart Card IC support
Protocols	T=0, T=1
Speed	Up to 600 kbps (depending on card) , TA1=97
Clock Frequency	ISO/IEC 7816 compliant up to 5 MHz; Operates up to 12 MHz
Supported Card Types	ISO/IEC 7816 voltage classes A/B/C (5V, 3.3V, 1.8V)
Smart Card Detection	Card present switch; Automatic power on/off; Short circuit protection
Card Size	ID-1
Contactless Smart Card Reader (RFID/NFC) reading	
Supported Standards	ISO/IEC 14443, ISO/IEC 18092
Supported Card ICs	MIFARE® Classic Family, MIFARE Ultralight Family, MIFARE Plus Family, MIFARE DESFire Family, FeliCa™, NFC Forum Tag Types 1/2/3/4
Speed	106/212/424/848 kbits/s, depending on card IC

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QR Scanner		
Collection method	Image type, CMOS Sensor	
Collection speed	1/60s	
Field of view	Diagonal 73°, Horizontal 61°, Vertical 48°	
Recognition Accuracy:	≥5mil	
Scan depth of field	Test conditions	Depth of field
	ITF 18bytes 7.5mil	50~130mm
	Code 39 4mil 10B	40~100mm
	Code 128 14mil 17B	85~300mm
	QR Code 35mil	25~440mm
Scanning angle	Pan 360°, tilt ±60°, rotation ±60°	
1D code types	EAN13、EAN8、UPC-A、UPC-E0、UPC-E1、Code128、Code39、Code93、CodaBar、Interleaved 2 of 5、Industrial 25、Matrix 2 of 5、Code11、MSI Plessey、RSS-14、Restrictive RSS、Expandable RSS ...	
2D code types	QR Code、PDF417、DataMatrix (ECC200)	
Operating Conditions		
Power Supply	USB Bus-powered	
Dimensions(L x W x H)	443 x 167x 70 mm	
Weight	1560g ± 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	
Certifications / Compliance		
Systems/Standards	ISO/IEC 7816,ISO/IEC 14443, USB 2.0 Full Speed, USB-CCID, Microsoft® WHQLs	
Regulatory/Environmental	CE , RoHS	