

# MARKLAND

## MEPR10 series

### Multi-function Document Reader



Half-Page e-Passport Reader, Scans MRZ, reading of barcodes, RFID and SmartCard chips

**Product Use:**

The MEPR10 is a machine readable zone (MRZ) data reader with RFID functionality to simultaneously decode the contents of an e-Passport or contactless smart card. In addition, MEPR10 also has one built-in contact smart card reader, which supports reading ISO7816 protocol contact smart card. The MEPR10 automatically detects when a document with machine readable data has been inserted, and its advanced recognition engine provides highly accurate and instant data capture and decoding.

**Features:**

The compact, robust design enables easy integration into kiosk, automat, vending machine and gates etc, or use as a desktop device. MEPR10 can read all e-passports and ICAO9303-compliant identity documents, such as national ID cards, driving licenses, residence permits, etc...

**Benefits:**

MEPR10 half-page multifunctional e-passport reader, by integrating a contactless/RFID reader, the device simultaneously and efficiently capture and process data fields from the chip, including the image of the holder. This combined capability provides a powerful and cost-effective alternative to full-page, multi-illumination passport readers.

**Markets:**

Any place where complete datapage scan is not needed and ease of use is required: Police identification, Airport check-in, Self service terminals, Border control, Hotels, Banks, Car rental companies, ...

**Customers:**

Public and private companies requiring automatic identity verification.  
Integrators or third parties in need of adding ID document reading functions onto kiosks, terminals, etc.

Model/Function		MEPR10-OCR	MEPR10	MEPR10-QR
MRZ/OCR Scanner		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contact Smart Card Reader		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contactless/RFID/NFC Reader			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
QR Scanner				<input checked="" type="checkbox"/>

Parameter	Details
<b>MRZ/OCR reading</b>	
Supported Font	OCR-B
Supported Standards	<ul style="list-style-type: none"> <li>• ICAO 9303 specification Parts 1-4;</li> <li>• ISO 18013 Driving Licence</li> </ul>
Supported Documents	<ul style="list-style-type: none"> <li>• 3 lines MRZ               <ul style="list-style-type: none"> <li>- ID1: eID, Resident Permit...</li> </ul> </li> <li>• 2 lines MRZ               <ul style="list-style-type: none"> <li>- ID3: Passport, Visa...</li> <li>- ID2: ID Card...</li> </ul> </li> <li>• 1 line MRZ               <ul style="list-style-type: none"> <li>- ID1: Driving Licence...</li> </ul> </li> </ul>
<b>Contact Smart Card reading</b>	
Supported Standards	ISO/IEC 7816 Part 1 to 4; T=0, T=1
Supported Card Types	5V, 3V and 1.8V, ISO/IEC 7816 Class A/B/C
Card Size	ID-1
Smart Card Interface Speed	<ul style="list-style-type: none"> <li>• Up to 600 kbps (depending on card)</li> <li>• TA1=97</li> </ul>
Communication:	Compliant with CCID and PC/SC standards
<b>Contactless/RFID/NFC reading (option)</b>	
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
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
<b>Bar code reading (option)</b>	
1D Code	Code 39, Code 32, Code 128, UPC/EAN/JAN, Code 93, Interleaved 2 of 5, Codabar, Matrix 2 of 5, Industrial 2 of 5 ...
2D Code	QR Code, Data Matrix, Aztec Code, PDF417 ...
<b>General</b>	
Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication	12 Mbps (USB 2.0 full speed)
Power Supply	Bus-powered USB
Connector	1.5m USB cable with USB type C connector
Dimensions(L*W*H):	176.5*140.6*28.8 mm
Weight:	260g± 5%(MEPR10-OCR) / 300g± 5%(MEPR10) / 315g± 5%(MEPR10-QR)
Status Indicator	3 LEDs
Body	Black, ABS
Temperature	<ul style="list-style-type: none"> <li>• In operation: 0°C to 50°C</li> <li>• Storage: -40°C to 80°C</li> </ul>
Humidity	0-95% non-condensing
Software Development Kit	Windows, Linux, Android ...