**OCR640e OEM**  
Full-page Document Imager & eMRTD Reader

**Fast, accurate, reliable multi-illumination full-page OEM MRZ, RFID and 1D/2D barcode reader**

**Description**

The OCR640e OEM is a full-page multi-illumination ePassport reader. It captures ultraviolet and infrared images, as well the full page of a passport in colour.

In a simultaneous, single action the reader also decodes the machine readable zone (MRZ) and processes RFID data – including the holder’s image – from the chip.

The OCR640e automatically detects when a document with machine readable data has been presented. Additionally, it is able to compensate for out-of-position MRZ data, so that the advanced recognition engine reliably provides highly accurate and very fast document reading capability, allowing large volumes of documents and smart cards to be processed quickly and efficiently.

The unit can also be programmed to provide audible feedback to confirm a successful read, signal premature removal of a document and flag a variety of data details.

The OCR640e OEM has a compact design and is built in 51° and 87° configurations. It is robust and rugged, has a 4mm toughened glass face and its quality-assured manufacture ensures years of heavy-duty, frontline use.

**Applications**

- ABC gates, eGates and governmental kiosks
- Banking and financial self-services (KYC & AML)
- Gaming and betting kiosks (age verification)
- Tax refunds and money exchange kiosks (data capture)
- Hotel, airport and car rental check-in kiosks.

**Features**

- Captures high-resolution images in multiple wavelengths – Visible, IR and UV
- Reads MRZ from ICAO 9303 compliant documents, including passports, e-Passports, ID cards and visas as well as ISO 18013 compliant driving licences
- ISO 14443 contactless RFID reader/writer supports ICAO LDS standards including BAC, PA, AA, EAC and SAC
- Reads 1D/2D barcodes from smartphones, tablets, smart watches and paper-based documents.
Example of device capabilities

**Specifications**

**MRZ reading**

- Standard OCR fonts: OCR-B
- Machine readable passports (MRP): 2 lines of 44 characters to ICAO 9303
- Machine readable visas (MRV): 2 lines of 44 characters, 2 lines of 36 characters to ICAO 9303
- Travel documents: 2 lines of 36 characters, 3 lines of 30 characters

**Imaging**

- Glass Platen: 4mm Toughened Conturan
- Active scan area: 132mm x 88mm
- Full-page: JPG, BMP, TIFF, PNG
- Illumination sources: visible/white, IR, UV LED’s
- Resolution: 400 DPI

**Contactless RFID reading**

- Interoperability: ICAO DOC 9303, LDS1.7, ISO18003 (Driving Licence), PA, AA, BAC, EAC v1.11 (CA, TA), EAC v2.0x (PACE v2, ICAO SAC, CA v2, TA v2)

**Operating frequency**: 13.56 MHz

**Supported documents**: ISO 14443 type A & B auto-detecting; secure and high-speed data transmission; Mifare memory card support (Mifare ultralight, 1K, 4K cards)

**Application interface**: PC/SC compliant device

**Barcode reading (option)**

- Linear (1D): EAN / UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128 *
- 2D: IATA resolution 792, PDF417, Aztec, DataMatrix and QR codes *
- * Full list of supported barcodes available upon request

**Mechanical**

- Size: 143W x 130D x 94H mm (87°)
- 143W x 189D x 94H mm (51°)
- Weight: 850g

**Power supply**

- +24 VDC via DC jack

**Communications & host**

- Communication: USB 2.0 high speed
- Host: Windows 7 & above, Win 32/64 bit; Pentium-4 3GHz and 2GB RAM minimum

**Environmental**

- Temperature: Operating 0°C to 50°C
- Storage: 0°C to 60°C
- Humidity: 0 to 95% non-condensing

**Approvals**


**Variant**

- OCR640n OEM: As OCR640e OEM but without RFID functionality

**Option**

- Barcode Reading: 1D/2D

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