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WG Document Reader

The WG Document Reader is a state-of-the-art, multi-illumination MRTD reader.

- Its innovative design enables the capture of multiple high-resolution, uncompressed images (Visible, IR & UV).

- In comparison to existing scanners, the transaction time is significantly reduced delivering productivity and cost savings.

- Allows for both desktop use and simple, elegant into counter-top and kiosk integration.

- Innovative 'shark fin' document guides ensure that even the most widely travelled documents quickly slide onto the glass, easing down bent corners for a perfect read.

- Provides fast MRZ decoding, whilst simultaneously reading RFID data from eDocuments, including those meeting the latest ICAO LDS standards and it will read 1D/2D barcode.

- It can be supplied with an Expansion Dock to provide either contact smart card reading, magnetic stripe reading or both, it can be supplied already mated, or retrofitted in the field in just a few seconds.

STANDARD FEATURES

- Captures high-resolution images in multiple wavelengths – visible, IR and UV
- ISO 14443 contactless RFID reader/writer supports ICAO LDS standards, including BAC, PA, AA, EAC and SAC
- Operates without external power supply using USB 3.0
- Optional Expansion Dock provides contact smart card & MSR reading, 2 additional USB ports and 2 SAM modules
- Reads 1D/2D barcodes from smartphones, tablets & paper
- Reads MRZ from ICAO 9303 compliant documents, including Passports, e-Passports, ID cards and visas as well as ISO 18013 compliant driving licences
- Ultra-fast operation delivers time and cost savings

SPECIFICATIONS

Imaging

- 2D: IATA resolution 792, PDF417, Aztec, DataMatrix and QR codes *
- Active scan area: 130mm x 94mm
- Barcode reading (option)
- Full-page: JPG, BMP, TIFF, PNG
- Glass Platen: 4mm thick toughened, with anti-reflective and oleophobic coatings
- Illumination sources: visible/white, IR, UV LED's
- Linear (1D): EAN / UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128 *
- Resolution: 500 DPI

Contactless RFID reading (option)

- Supported documents: ISO 14443 type A & B auto-detecting; secure and high-speed data transmission; Mifare memory card support (Mifare ultralight, 1K, 4K cards)
- App. interface: PC/SC compliant device
- Contact smart card reading (option)
- Number of ID-1 (smart card) slots: 1
- Number of ID-000 (SAM) slots: 2
- Compliance: ISO 7816, T=0, T=1
- App. interface: PC/SC compliant device
- Interoperability: ICAO DOC 9303, LDS1.7, ISO18013 (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

Magnetic Stripe Reading (option)

- Three-track magnetic cards complying with ISO7811/ 2-5 316e

APPLICATIONS

- Alcohol and Tobacco Sales
- Banking & Insurance
- Border control & Law Enforcement
- Document & Visa Issuance
- Gaming & Casinos
- Hotels, Airports, & Car Rental
- Mobile Network Operators
- Self-service applications & Kiosks
- Tax Refunds & Money Exchange.

SPECIFICATIONS

Mechanical

- Size (WxDxH): 143 x 171 x 65mm
- With Expansion Dock: 165 x 171 x 79mm
- Body: Black PC/ABS
- Glass: BS EN60068-2-75 & IEC 62262:2002, rated to 6.375J impact
- Weight: 750g excl cable/PSU
- Security: Kensington® security slot

Power supply

- +5 VDC via DC jack (Only when connected via USB 2.0 Interface)

Communications & host

- Communication: USB 3.0
- (Compatible USB 2.0)
- Host Minimum: Windows 7 & above, 32/64 bit; Pentium Core-i3 2.1GHz & 4GB RAM**
- Host Recommended: Win 7 & above, 32/64 bit; Pentium Core-i5 3.3GHz & 8GB RAM

Environmental

- Approvals:
- BS EN 60950-1:2006+A2:2013
- FCC Part 15C Class B ; CE EMC Class B, CE Low Voltage Directive; IEC60825-1, LED Safety: Class 1
- Humidity: 0 to 95% non-condensing
- Temperature: Operating 0 OC to 50 OC Storage: 0 OC to 60 OC

MRZ reading

- 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
- Standard OCR fonts: OCR-B
- Travel documents: 2 lines of 36 characters, 3 lines of 30 characters

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