Fast, accurate, reliable multi-function reader for Passports, ID Documents, Credit Cards and Boarding passes

Access-IS’ innovative ATOM® Document Reader sets the ticketing and passport reading standard for years to come.

Access’ KAD300 is a state-of-the-art, multi-functional OCR/MSR reader with a low profile, compact design and options for barcode reading and RFID functionality.

ATOM allows for both desktop use and simple, OEM integration into countertops. The device delivers fast (non-swipe) MRZ decoding of passports and ID cards and integrates an ergonomic MSR swipe reader for credit and FQTV cards.

ATOM can optionally include an intuitive and fast 1D/2D barcode reader that can read from paper, phones, tablets and smart watches. Barcode tickets are presented, face-down, over the scanning window. The large window, wide viewing angle, and depth-of-field creates a large barcode reading area.

Designed for future-proof operation, the unit can be supplied equipped with contactless/RFID operation and, if permissible, can provide full-page passport/ID images via a simple upgrade.

When upgraded for passport imaging ATOM’s innovative ‘shark fin’ document guides ensure that even the most widely travelled documents quickly slide onto the glass, with bent corners eased down for a perfect read every time.

Features

- Compact & low profile
- Simple countertop integration
- Reads OCR and MSR as standard
- Optional 1D/2D barcode reading from any media
- Optional RFID for contactless cards and e-passports
- MRZ Capture in any orientation
- Can, where permissible, output full page passport/ID image
- Operates without external PSU when using USB 3.0.

Applications

- Check-In
- Security channels
- Boarding gate areas
Specifications

**OCR reading capabilities**
- ICAO compliant travel documents in near infrared (IR) per ICAO 9303 specification Parts 1-4 (2- and 3-line MRZ)
- Near ICAO compliant travel documents (e.g. French ID)
- ISO-18013 driving licences (1-line MRZ)

**Imaging**
- Glass Platen: 4mm thick toughened, with anti-reflective and oleophobic coatings
- Active scan area: 130mm x 94mm
- Full-page: JPG, BMP, TIFF, PNG
- Illumination sources: visible/white, near IR B900 LED’s
- Resolution: 500 DPI

**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 *

**Contactless RFID reading (option)**
- Interoperability: ICAO DOC 9303, LDS1.7, ISO18013 (Driving Licence), PA, AA, BAC, EAC v.1.11 (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)
- App. interface: PC/SC compliant device

**Magnetic Stripe Reading**
- Three-track magnetic cards complying with ISO7811/2-5 316e

**Mechanical**
- Size (WxDxH): 165 x 171 x 79mm
- Body: Black PC/ABS
- 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**
- Temperature: Operating 0°C to 50°C
- Storage: 0°C to 60°C
- Humidity: 0 to 95% non-condensing
- Approvals:

* Full list of supported barcodes on request
** For more information about using minimum specification please contact Access-IS

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**Dimensions**

When ordering please refer to the part numbers below.

- KAD300-01-M
- KAD300-01-B-M
- KAD300-01-R-M
- KAD300-01-RB-M

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**Ordering**

When ordering please refer to the part numbers below.

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- KAD300-01-R-M
- KAD300-01-RB-M

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All trademarks acknowledged. Specifications subject to change without prior notice. This literature is for outline information only. Ver: 1.1 October 2018

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Dimensions

Ordering

OCR Reading

MSR Reading

Barcode Reading

RFID Reading