

ATOM® Multi-Function OCR & MSR Reader with Optional Barcode & RFID functionality

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.



Applications

- Check-In
- Security channels
- Boarding gate areas



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.

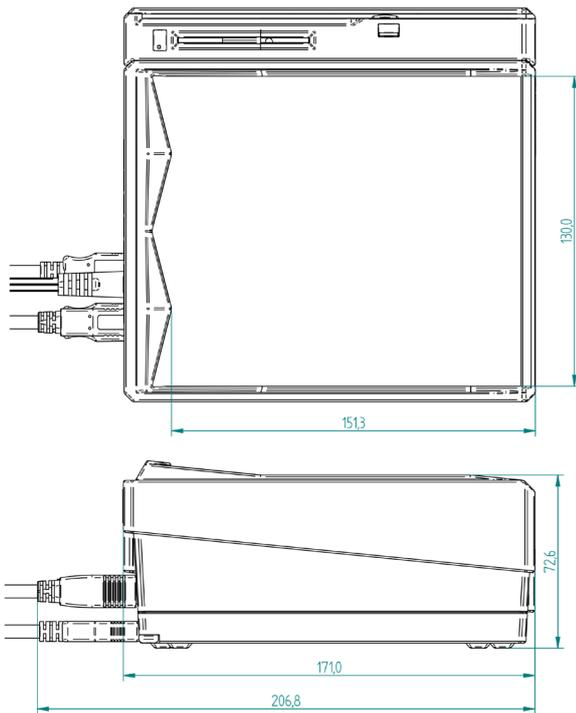


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Products

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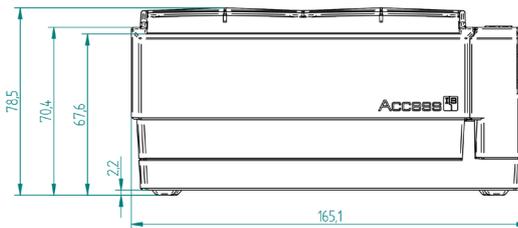
Dimensions



Ordering

When ordering please refer to the part numbers below.

| | OCR Reading | MSR Reading | Barcode Reading | RFID Reading |
|----------------|-------------|-------------|-----------------|--------------|
| KAD300-01-M | ✓ | ✓ | | |
| KAD300-01-B-M | ✓ | ✓ | ✓ | |
| KAD300-01-R-M | ✓ | ✓ | | ✓ |
| KAD300-01-RB-M | ✓ | ✓ | ✓ | ✓ |



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 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)

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

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

Temperature: Operating 0 °C to 50 °C
Storage: 0 °C to 60 °C

Humidity: 0 to 95% non-condensing

Approvals:

FCC Part 15C Class B ; CE EMC Class B, CE Low Voltage Directive; IEC 62471: 2006 - Exempt Class; BS EN 60950-1:2006+A2:2013

* Full list of supported barcodes on request

** For more information about using minimum specification please contact Access-IS

All trademarks acknowledged. Specifications subject to change without prior notice. This literature is for outline information only.

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