

KAD300 - ATOM®

OCR & MSR Reader with Optional Barcode & RFID functionality

Multi-Function Airport Reader

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.



Flexible Barcode Reading

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.



Future Proof

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.

Passport Imaging

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.

Ordering Information

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

Device Features

Connection Types

USB

Image Capture

- Visible
- Ultraviolet*
- Infrared

Optional*

Technology

- NFC / RFID*
- Barcode*
- OCR
- Magnetic Strip

Reader Size

- Full Page

Features

Space Saving

Compact, low profile design saves space in desktop, countertop or kiosk installation

Simple Integration

ATOM has been designed to allow simple countertop integration without external power supply using USB 3.0

OCR/MSR Reading & MRZ Capture

Offers OCR, MSR and MRZ capture as standard

Flexible Barcode Reading

Reads 1D/2D barcodes from smartphones, tablets & paper

Contactless Capability

Optional RFID for contactless cards and e-passports

Document Image Capture

Where permissible, ATOM can output a full page passport/ID image

Applications

- Check-In
- Security channels
- Boarding Gates

OCR Reading Capabilities

ICAO compliant travel documents in near infrared (IR) per ICAO 9303 specification Parts 1-4 (2- & 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, UV 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

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:

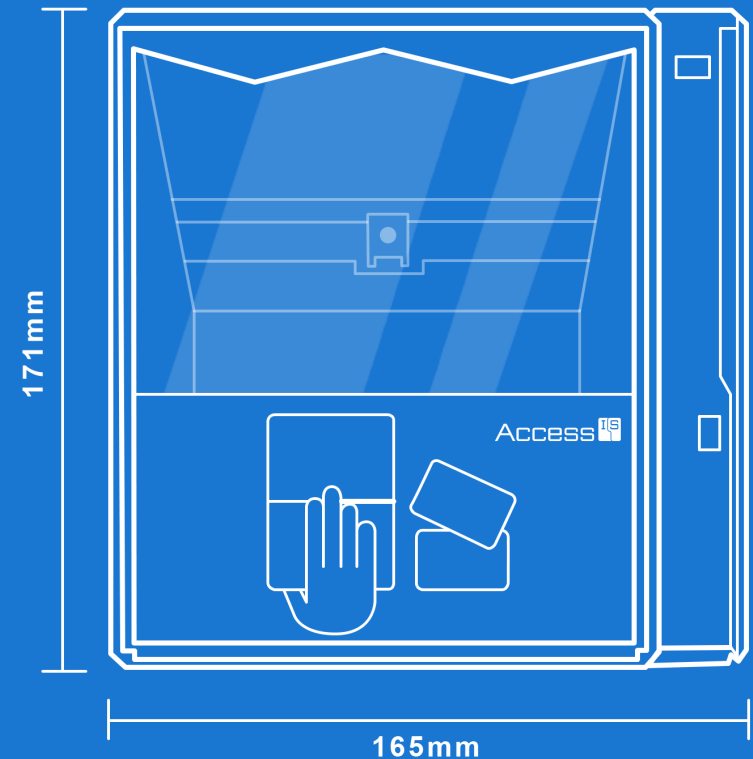
Operating 0°C to 50°C

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



Get In Touch

You can get in touch via our website at access-is.com or by phone and email:

+44 118 966 3333 sales@access-is.com