

KAD300 - ATOM

OCR & MSR Reader With Optional Barcode & RFID Functionality



MULTI-FUNCTION AIRPORT READER

The 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 frequent traveller (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.

APPLICATIONS

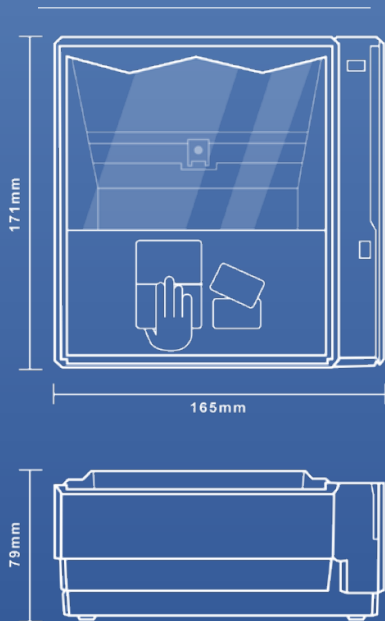
- Check-In
- Security channels
- Boarding Gates



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
- OCR/MSR Reading - Offers OCR and MSR reading as standard
- Flexible Barcode Reading - Reads 1D/2D barcodes from smartphones, tablets & paper
- Contactless Capability - Optional RFID functionality for contactless cards and e-passports
- MRZ Capture - Fast (non-swipe) MRZ capture in any orientation
- Simple Integration - Operates without external power supply using USB 3.0
- Document Image Capture - Where permissible, ATOM can output a full-page passport/ID image

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FEATURES

Connection Types

USB

Image Capture

- Visible
- Ultraviolet*
- Infrared

Technology

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

Reader Size

- Full Page

* Optional

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	READING CAPABILITIES
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
	ELECTRONIC
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
	PHYSICAL
Dimensions	6 x 7 x 3 in (165 x 171 x 79 mm)
Body	Black PC/ABS
Glass	BS EN60068-2-75 & IEC 62262:2002, rated to 6.375J impact
Weight	26.4 oz. (750g) excl cable/PSU
Security	Kensington® security slot
	THERMAL (AIR)
Temperature	Operating 32°F to 122°F (0°C to 50°C)
Storage	32°F to 140°F (0°C to 60°C)
Humidity	0-95% 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



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