

AKB500 Keyboard

With Integrated OCR Functionality



COMPACT FOOTPRINT

The AKB500 keyboard integrates Optical Character Recognition (OCR) and Magnetic Swipe Reader (MSR) functionality to deliver a solid, multi-function device with a compact footprint that quickly establishes customer identity. It is ideal for airline passenger check-in and card reading, retail/point of sale (POS) terminals and security environments.

BIDIRECTIONAL READING

One of the key features of the AKB500 is the placement of the read camera at the center of the read slot, allowing for bidirectional reading within the footprint of the device and saving valuable desk space.

SIMPLE FIRMWARE UPGRADES

The keyboard can be adapted to add a new host or to support non-standard cards, such as loyalty or frequent flyer and special dedicated formats. To ensure flexibility for the future, new firmware can be downloaded to the keyboard to add and modify features.

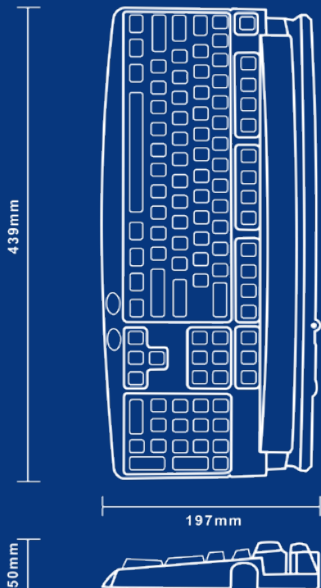
APPLICATIONS

- **Travel and Transportation:** Check-in counters, Boarding gate counters, Security desks
- **Retail:** Point of sale terminals, Security desks
- **Hospitality:** Reception counters

FEATURES:

- **Standard Layout** - 104-key US
- **Reliable** - Cherry mechanical key switches rated at 50 million operations
- **Robust** - Rugged design with steel chassis
- **Flexible** - Virtual serial RS-232 or keyboard wedge modes and an auxiliary RS-232 port
- **OCR Reader** - Reads MRTD including passports & visas conforming to ICAO 9303 as well as ID, resident alien & green cards
- **Magnetic Swipe Reader** - Accepts ISO 1-, 2- & 3-track cards to ISO7811/2-5

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FEATURES

Connection Type

USB

Technology

OCR / MRZ

Magnetic Strip

Reader Size

Swipe

AKB500 Keyboard

READING CAPABILITIES	
OCR (Optical Character Recognition)	Standard OCR fonts: OCR-B Machine readable passports (MRP) : 2 lines of 44 characters Machine readable visas (MRV) : 2 lines of 44 characters, 2 lines of 36 characters Travel documents: 2 lines of 36 characters, 3 lines of 30 characters
MSR (Magnetic Stripe Reading)	Processing time: Manual swipe processing/read less than 1 second Card type: magnetic cards per ISO7810, ISO7811, AAMVA and custom data Read capability: magnetic stripe 1-, 2- or 3-track of low or high coercivity (300-4000 Oe) Swipe speed: 5 to 55 inches/second Magnetic head life: >500,000 swipes Read error rate: < 0.5%
ELECTRONIC	
Power Supply	+5 VDC <350 mA
Host interface	USB 2.0; full-speed, Custom HID or USB CDC Serial
Auxiliary RS-232 Port interface	Bidirectional RS-232 by 9-way D-type
PHYSICAL	
Dimensions	17 x 8 x 2 in (439 x 197 x 50 mm)
Colour	Dark Grey
Weight	4 lbs. (1750g)
Cable length	7 ft (2m)
THERMAL (AIR)	
Temperature	Operating 32°F to 122°F (0°C to 50°C)
Storage	-4°F to 140°F (-20°C to 60°C)
CERTIFICATIONS	
Protocols Supported	Amadeus: ACUS™, EASE™ Collins Aerospace: MUSE™ Embross: CUPPS Materna IPS Navitaire: GoNow Sabre: Interact SITA: CUTE® AirportConnect TravelSky: Angel Cue®
APPROVALS	
Safety	EN 62368-1
EMC	FCC 47CFR Part 15/Sub-part B/Class A; EN 55032 Class B; EN 55035

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2023-08-16-eat-akb500-keyboard-ds-en PLT-06254

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