

AKB500 Keyboard

With Integrated MSR and OCR Functionality



COMPACT FOOTPRINT

The AKB500 keyboard integrates optical character recognition (OCR) and magnetic swipe readers (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 family 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 to add and modify features can be downloaded to the unit.

APPLICATIONS

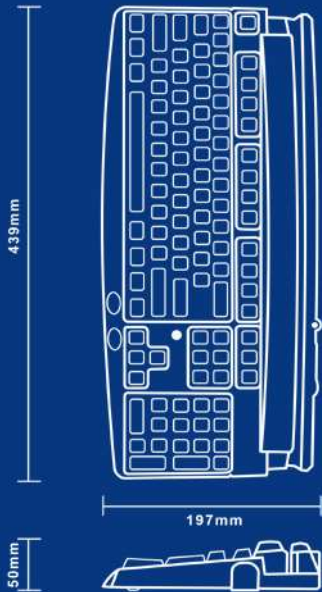
- Check-In Counters
- Boarding Gates
- Retail / POS
- Security



FEATURES:

- Standard Layouts - 104-key US or 105-key European standard versions
- 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 credit cards to ISO7811/2-5
- Options Including - Pointing device, left & right 'mouse' selection buttons, USB hub to connect USB mice and fingerprint scanner

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FEATURES

Connection Types

- USB *
- RS232

Technology

- ABC OCR / MRZ
- Magnetic Strip

Reader Size

- Swipe

* Optional

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	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, Keyboard Emulation, RS232 Serial
USB ports (optional)	Bus powered USB 2.0 hub (Full Speed) ports (max. load 100 mA per port)
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 (Option for White)
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)
	APPROVALS
	Safety: EN 60950-1 EMC: FCC 47CFR Part 15/Sub-part B/Class A; EN 55022 Class B; EN 55024 Air IT: EASE™ Amadeus: ACUS™ ARINC iMuse & vMuse® Edge-airport: Airport Manager Cupp-T™ (P) RESA CREWS® (P) SABRE EGR® SITA CUTE® AirportConnect TravelSky 'Angel Cue'® Ultra CUSE® (P = Pending)

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