

AKB500 Keyboard

With integrated MSR and OCR functionality

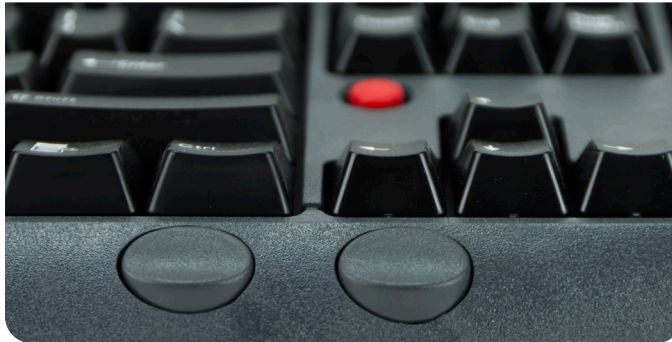
Compact Footprint

The AKB500 family of keyboards integrate OCR and MSR functionality to deliver a solid, multi-function device with a compact footprint ideal for airline passenger check-in and card reading, and retail/POS and security environments for quickly establishing customer identity.



Bi-Directional Reading

This latest version combines the robust ATB42x keyboard with the OCR310e – our newest OCR engine that is more than 50% faster than its predecessors. One of the key features of the AKB500 family is the placement of the read camera at the centre of the read slot, allowing for bi-directional 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.

Device Features

Connection Types

- USB *
- RS232

Technology

- ABC OCR / MRZ
- Magnetic Strip

Reader Size

- Swipe

Optional*

Features

Standard Layouts

104 key US or 105 key European standard versions

Custom keyboards

A wide range of layouts & languages are available

Reliable & Robust

Cherry mechanical key switches rated at 50 million operations and 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, fingerprint scanner, etc

Applications

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

OCR Reading Capabilities

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 reading capabilities

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%

Ordering Information

The AKB500 keyboard is available with a number of functionality options commonly required by airports and airlines. Options include: An integrated mouse-compatible pointing device, one or two USB hub ports for connection of USB powered mice, fingerprint scanner, etc

Product	Color	Country	Interface			Options			Hubs
			Serial Port	USB HID	USB Keyboard Wedge	OCR	3 Track MSR	Pointer	USB Hub Ports
AKB500	White / Grey	US, UK, ES, DK, DE, NO, FR, CY (Cyrillic), AR (Arabic), SE/FI (Sweden/Finland)	S	U	K	O	M	P	0 1 2

Example: AKB500-G-US-S-OMP-1

Mechanical

Size (WxDxH): 439 x 197 x 50mm
 Colour: Dark Grey (Option for White)
 Weight: 1750g
 Cable length: 2m

Power supply

+5 VDC <350 mA

Communications & host

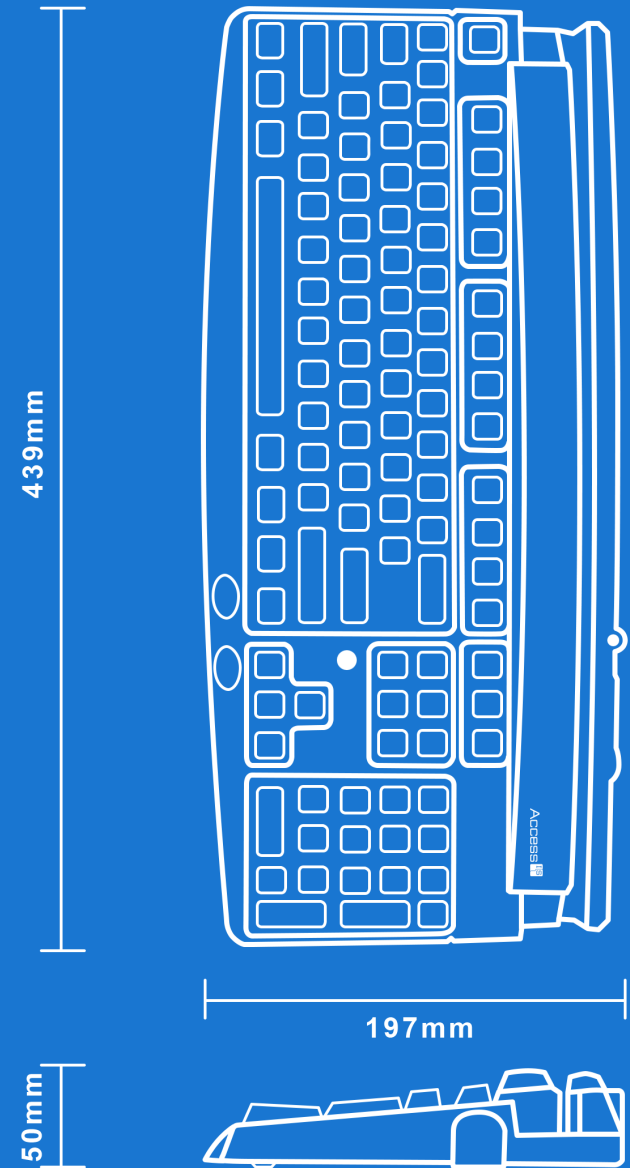
Host interface: USB 2.0; full-speed, Keyboard Emulation, RS232 Serial
 USB ports (optional): Bus powered USB 2.0 hub (Full Speed) ports (max. load 100 mA per port)
 Auxiliary RS-232 port interface: Bidirectional RS-232 by 9-way D-type

Environmental

Temperature:
 Operating: 0°C to 50°C
 Storage: -20°C to 60°C

Approvals (P = Pending)

Safety: EN 60950-1
 EMC: FCC 47CFR Part 15/Subpart 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®



50 mm

439 mm

197 mm



Get In Touch

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