

ATB422 and ATB423 Integrated Keyboard With USB Interface

Space-saving keyboards integrate MSR and OCR functionality for airport passenger departure control.

Description

The ATB422 and ATB423 keyboard families integrate OCR and MSR functionality and are designed for airline passenger check-in and boarding gate document and card reading.

Approved for SITA CUTE Airport Connect®, ARINC iMUSE®, Ultra CUSE® and RESA CREWS®, the keyboards 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 down-loaded to the unit.

The keyboards are fitted with an integrated 4 track magnetic swipe reader and dual illumination OCR reader. An MSR reader performs bidirectional reading of ticket and boarding pass coupons and ISO encoded credit card data. The document exit is inboard of the keyboard so that the unit can be operated where space is limited and within a footprint 20% smaller than competing products. The ergonomically designed document channel is fitted with a smooth wear-resistant stainless steel guide and achieves reliable reading at fast and slow swipe speeds.

Keyboard Features

- 104 key US or 105 key European standard versions
- Custom key layouts optional
- Cherry mechanical key switches rated at 50M operations
- Compact and rugged design with steel chassis
- Height adjustable



ATB42x integrated check-in and boarding gate keyboards

Host System Interface

- Single USB connection to host; no external PSU
- Emulations for most popular systems
- Virtual serial RS-232 or keyboard wedge modes
- FLASH upgradeable software
- Visual & audible good and bad read indication

Auxiliary RS-232 Port

- Auxiliary RS-232C serial interface for external OCR reader or decoded bar code scanner

OCR Reader with Dual Illumination

- Reads Machine Readable Passports, visas, travel documents conforming to ICAO recommendation 9303, TAT and ATB tickets, resident alien and Green Cards

Magnetic Swipe Reader

- Accepts ISO 1, 2 & 3 track credit cards to ISO7811/2-5
- IATA ATB2 722C format T1, T2, T3 & T4
- Reads in both directions with wide range of swipe speeds
- Long life magnetic head & stainless steel document guide

Pointing Device (Optional)

- Strong, tamper resistant design and easy to maintain
- Suitable for left and right hand users

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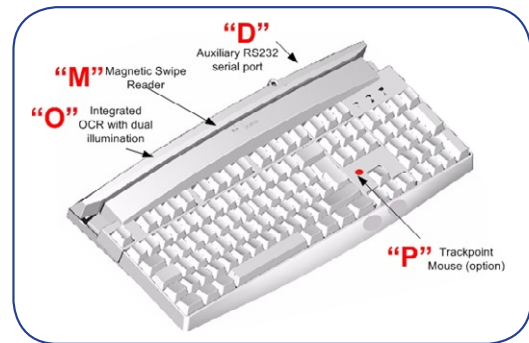
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Options and Features

In addition to cool white or dark grey colour, keyboards can be fitted with a number of commonly required integrated options, including:

- Integrated 4-track MSR
- A decoded bar code scanner port for connection of bar code reading devices
- An integrated optical character reader (OCR)
- An integrated PS/2 mouse-compatible pointing device



Product Selector

Part Number		Options				
Pearl White Colour	Dark Grey Colour	4-Track MSR	2 USB Ports	Serial Aux Port*	Integrated OCR	Pointing Device
ATB422M	ATB423M	Yes	Option	Yes		
ATB422MP	ATB423MP	Yes	Option	Yes		Yes
ATB422P	ATB423P		Option	Yes		Yes
ATB422O	ATB423O		Option	Yes	Yes	
ATB422OP	ATB423OP		Option	Yes	Yes	Yes
ATB422MDO	ATB423MDO	Yes	Option	Yes	Yes	
ATB422MDOP	ATB423MDOP	Yes	Option	Yes	Yes	Yes

* The serial auxiliary port can be configured to connect to a decoded bar code scanner or an auxiliary passport reader

ATB422 and 423 Integrated Keyboards

Specifications

General

Colour: See table

Dimension: 439W x 197D x 50H mm

Weight: 1.75 kg

Cable length: 2.5 m

Power requirement: +5 VDC <350 mA

Interfaces

Host interface: USB 1.1

Keyboard interface & pointing device (optional): USB

USB ports: Bus powered USB 1.1 hub ports (max. load 100 mA per port)

Auxiliary RS-232 port interface: Bidirectional RS-232 by 9-way D-type

Decoded bar code interface: Connects neatly through Aux Serial Port with 5V power stealer (or PSU option)

OCR reading (optional)

Standard OCR fonts: OCR-B & E13B

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

OCR ticket data: In accordance with IATA Recommended Practice 1720a, incl. ATB-1 type 407-E, 1403M, OCRB, OCRA and IATA 2 of 5 bar code data

Environmental

Operating temperature: 0°C to 50°C

Storage temperature: -20°C to 60°C

MSR reading (optional)

Compliance: IATA ATB2 722C format T1, T2, T3 & T4. AEA2002/PECTAB formatting

Document types: ATB tickets 8" and 7 3/8", ATB wallet and ATB2 boarding pass (with or without stubs) face up

Processing time: Manual swipe processing/read less than 1 second

Magnetic head life: 250K reads

Approvals

Safety: UL 1950 /IEC950

RF/EMI: EN 55022 Class B, FCC Part 15, Subpart B, class A, BSMI EMC Class B

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