

# ATB424 and ATB425 Keyboard With USB Keyboard Reader Interface

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

## Description

The ATB424 and ATB425 keyboard families integrate OCR and MSR functionality and are designed for airline passenger check-in and boarding gate document and card reading. Data from the OCR, MSR and LSR readers is transmitted as keyboard data. The keyboard and mouse operate as standard USB devices without the need for a special driver to operate the device.

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 downloaded 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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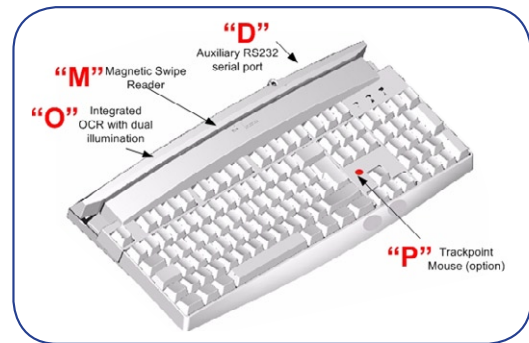
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**Access IS**  
Interfacing Solutions

## 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
ATB424M	ATB425M	Yes	Option	Yes		
ATB424MP	ATB425MP	Yes	Option	Yes		Yes
ATB424P	ATB425P		Option	Yes		Yes
ATB424O	ATB425O		Option	Yes	Yes	
ATB424OP	ATB425OP		Option	Yes	Yes	Yes
ATB424MDO	ATB425MDO	Yes	Option	Yes	Yes	
ATB424MDOP	ATB425MDOP	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

## ATB424 and ATB425 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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