

ATB420 and ATB421 Integrated Keyboard With Serial Interface

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

Description

The ATB420 and ATB421 keyboard families integrate OCR and MSR functionality, have serial and PS/2 interfaces and are designed for airline passenger check-in and boarding gate environments.

Approved for SITA CUTE®, ARINC MUSE®, Ultra CUSE® and RESA CREWS®, the keyboards can be adapted to add a new host or to support nonstandard 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

- PS/2 104 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

- PS/2 keyboard interface
- RS-232 or keyboard wedge modes for wedge device output
- Emulations for most popular systems
- Custom data parsing with scripting utility
- FLASH upgradeable software
- Keyboard port powered; no external PSU
- Visual & audible good and bad read indication

OCR Reader with Dual Illumination

- Bidirectional OCR read capability
- 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
- Smooth stainless steel document guide

Pointing Device (Optional)

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

Access IS
18 Suttons Business Park
Reading, Berkshire
RG6 1AZ, United Kingdom
Tel: +44 (0) 118 966 3333
Fax: +44 (0) 118 926 7281

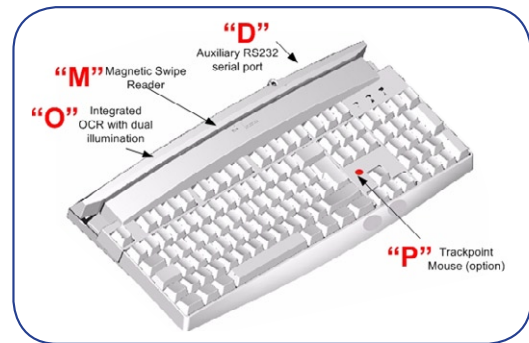
Access (North America) inc
PO Box 2569, Peachtree City
Georgia 30269-2569
USA
Tel: +1-770-631-8425
Fax: +1-678-364-8856

Access 
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	Serial Aux Port*	Integrated OCR	Pointing Device
ATB420M	ATB421M	Yes	Yes		
ATB420MP	ATB421MP	Yes	Yes		Yes
ATB420P	ATB421P		Yes		Yes
ATB420O	ATB421O		Yes	Yes	
ATB420OP	ATB421OP		Yes	Yes	Yes
ATB420MDO	ATB421MDO	Yes	Yes	Yes	
ATB420MDOP	ATB421MDOP	Yes	Yes	Yes	Yes

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

ATB420 and 421 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: Bidirectional, RS-232 by 9-way D-type

Keyboard: PS/2 6 pin mini-DIN

Pointing device: PS/2 6 pin mini-DIN (optional)

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

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, inc. ATB-1 type 407-E, 1403M, OCRB, OCRA and IATA 2 of 5 bar code data

MSR reading (optional)

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

MSR reading (optional) cont.

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

Environmental

Operating temperature: 0°C to 50°C

Storage temperature: -20°C to 60°C

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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