

BGR120M Integrated 2D BCBP and ATB2 Boarding Gate Reader

Boarding gate solutions for 2D BCBP and traditional ATB2 travel documents.

The BGR120M boarding gate reader combines a motorized 4-track ATB2 reader and a high-speed, omnidirectional 2D barcode imager.

It is intuitive to use, reading paper documents and smartphones face up. The near-zero latency imager automatically detects and reads a barcode as soon as its held in the bright imager zone.

Additionally the BGR120M has a 2 x 16 character bright LED display of passenger information and a user-programmable audio beep to confirm successful transactions.

Twin magnetic heads allow ATB2 documents to be read in either orientation and the "straight through" document path minimizes the possibility of jamming. It complies with IATA ATB2 722C format T1, T2, T3, T4, AEA2002/PECTAB requirements and reads all Linear, PDF417, Aztec, DataMatrix and QR symbologies.

A wide range of emulations is available for connection to Common Use Terminal Equipment (CUTE®) or dedicated systems. A single RS232C interface connects the device to a workstation.

To ensure that units are future proof, new firmware can be remotely downloaded into the units. A conversion kit is available to convert the BGR120M to the simpler, BCBP only BGR120S for when the transition period to barcode only boarding passes is complete.

1D/2D BCBP Reader Features

- Fast, omnidirectional 1D/2D imager reads on presentation of a document
- Large document throat allows A4 documents to be read
- Bright VFD 2 x 16 character display
- Reads IATA recommended PDF417, 2D & linear symbologies
- Reads 2D barcode images on PDA and smartphone displays
- Wide range of emulations available
- Single RS232 cable connection to host
- FLASH upgradeable software
- Green and red indicator beacons and audio beeper



BGR120M motorised ATB2 and 2D barcode boarding gate reader

ATB2 Reader Features

- Motorised 4 track ATB2 reader
- IATA ATB2 722C format T1, T2, T3, T4
- Dual magnetic heads read document in either orientation
- Latching document channel may be easily opened in the event of a jam by agent or non-technical personnel
- Reject button to retract jammed or non-decoded documents
- Highly serviceable: easy access to major components

Other Features

- Standard RJ45 connection allows for the addition of a thermal receipt printer, keypad or auto gate function

Options

- Document bin
- Quick release bracket
- Conversion kit to remove motorised ATB2 mechanism

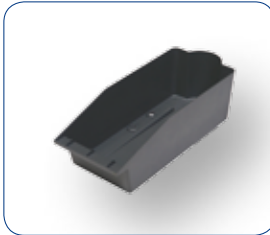
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Access 
Interfacing Solutions

Accessories

Document bin



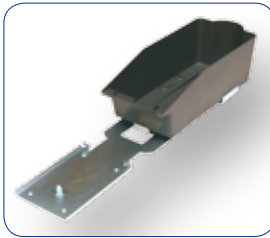
Designed to sit behind the BGR120M for the tidy collection of ATB2 travel documents processed through the device.

RP9000 receipt printer



The RP9000 provides a simple, reliable and robust means of rapid printing of receipts. It can be used to facilitate seat assignment for passengers boarding with 2D barcoded

Quick release bracket with document bin



Combined with a document bin the bracket provides a means to secure the BGR to a counter-top or podium preventing the device being accidentally knocked and damaged. The bracket is also a deterrent against agents easily relocating hardware or the BGR being stolen.

boarding passes on home-printed documents, mobile phones or PDAs, allowing seat changes to be made at the gate. Additionally, the RP9000 is being used by some airlines to issue boarding pass receipts for all passengers with smartphone boarding passes, allowing their phones to be switched off prior to boarding.

BGR120M Boarding Gate Reader

Specifications

Passenger/agent displays

Display: Bright VFD 2 x 16 characters

Visible/audible: Green (good read) and red (bad read) indicator beacons and audio beeper. All programmable.

Bar code reader

Compliance: AEA2008

1D symbologies: Code 128, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39

2D symbologies: IATA resolution 792, PDF417, Aztec, Datamatrix and QR codes. Will also read from PDA and smartphone displays

Performance: Less than 1 second read capability

Construction: Compact and durable ABS enclosure with no moving parts

Motorised ATB2 reader

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

Reading/processing time: <2 seconds

Magnetic head: Dual magnetic heads; life expectancy up to 1 million reads/head

Interface

Host interface: RS-232C Baud rates 9600 and 19200

Other: RJ45 port for optional RP9000 receipt printer, keypad or auto boarding gate applications. The receipt printer can print seat, flight and passenger data from W PECTAB magnetic or M1 format bar code documents

Physical characteristics

Dimensions: 122W x 194H x 252D mm

Weight: 3.3 kg

Power supply

Input voltage: 12 VDC; AC universal power adapter supplied

Protocols supported

ARINC Muse & iMuse[®], RESA CREWS[®], SABRE EGR[®], SITA CUTE[®] NT and APC, Ultra CUSE[®]

Environmental

Temperature: Operating 0°C to +50°C; storage 0°C to +60°C

Humidity: 0 to 95%, non-condensing

Approvals: FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1

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Ver: 1.4 November 2012

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