

# BGR120M

## Integrated 2D and ATB2 Boarding Gate Reader

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

### Description

The BGR120M boarding gate reader is designed for airports making the transition from ATB2 magnetically encoded passes to the new 2D bar coded boarding passes, combining a motorized 4-track ATB2 reader and a high-speed, omnidirectional bar code imager.

Intuitive to use, the BGR120M has a two-line user display with bright LED indicators and a user-programmable sounder to provide clear operator feedback. Home-printed boarding passes and 2D BCBPs are read face up. The near-zero latency imager will read a bar code as soon as it is held in the bright target zone. It complies with IATA ATB2 722C format T1, T2, T3, T4 and AEA2002/PECTAB requirements and reads Aztec, DataMatrix and QR symbologies as well as PDF417 and linear bar code symbologies.

Twin magnetic heads allow ATB2 documents to be read in either orientation and the straight through document path minimizes the possibility of jamming. 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 bar code 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 cell phone 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 bar code 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 IS**  
Interfacing Solutions

## Accessories

### Document bin



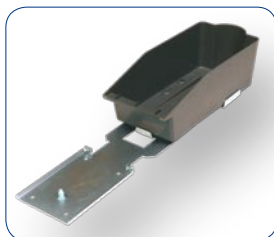
Designed to sit behind the BGR120M for the tidy collection of ATB2 travel documents processed through the device.

### 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 bar coded

### 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 mobile boarding passes, allowing their mobile 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 cell phone 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<sup>®</sup>, RESA CREWS<sup>®</sup>, SABRE EGR<sup>®</sup>, SITA CUTE<sup>®</sup> NT and APC, Ultra CUSE<sup>®</sup>

#### 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

<sup>®</sup> All trademarks acknowledged

Ver: 1.3 June 2009

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