BGR120S 2D BCBP Boarding Gate Reader

Compact boarding gate solution for 2D BCBP travel documents.

Description

The BGR120S is the world's first boarding gate reader designed for airports that have converted to non-ATB2 encoded documents. Removing the mechanical complexity required to read ATB2 magnetically encoded coupons, ensures that it is extremely compact and easy-to-use.

The BGR120S reads barcodes face up, enabling operators to more quickly and accurately align barcodes to the reader interface. Speed of transaction is also enhanced by near-zero latency in the imager, so that barcodes are read instantly on presentation.

Additional features to ensure fast passenger processing include 2 x 16 character interface to clearly display passenger information, bright green and red LED visual indicators, and a user-programmable audio beep to confirm successful data capture.

The BGR120S works with IATA recommended PDF417, 2D and linear symbols and its fast omnidirectional imager also reads barcode images from PDA or smart phone displays.

A wide range of emulations is available for connection to Common Use Terminal Equipment (CUTE®) or dedicated systems. Additionally, to ensure that the units are future-proof, new firmware can be remotely downloaded into them.

The BGR120S is rugged, compact and lightweight. Its quality-assured UK manufacture enables it to withstand years of frontline use.

The BGR120S reading a 2D BCBP

The BGR120S reading a barcode from the screen of a PDA

Features

- Fast, omnidirectional 1D/2D imager
- Bright VFD 2 x 16 character display
- Reads on presentation of a document
- Reads IATA recommended PDF417, 2D and linear symbologies
- Large document throat allows A4 documents to be read
- Reads 2D barcode images on PDA and smart phone displays
- Single RS232 cable connection to host
- FLASH upgradeable software
- Green and red indicator beacons and audio beeper
- Options port to add receipt printer functionality

Options

- Addition of a receipt printer using BGR model BGR135, (printer part number RP9000)
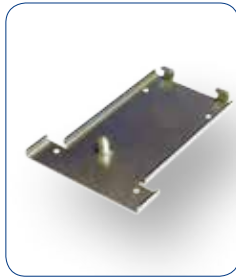- Quick release bracket

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Accessories

Quick release bracket

The BGR120S quick release bracket provides a simple means to secure the BGR120S boarding gate reader to a counter-top or podium. The addition of the bracket prevents the hardware being accidentally knocked to the ground and damaged, potentially at a critical time in boarding. In addition, it is a deterrent against agents easily relocating hardware or theft.

RP9000 receipt printer and quick release bracket

The RP9000 is a simple, reliable and robust printer for rapid printing of receipts. In conjunction with BGR model BGR135, it can be used to facilitate seat assignment for passengers boarding with 2D barcoded boarding passes on home-printed documents, smart 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.

The RP9000 and BGR135 can be securely and neatly mounted on the specially designed quick release bracket (shown).

BGR120S Boarding Gate Reader

Specifications

Barcode reader

Compliance: AEA2009

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 smart phone displays

Performance: Less than 1 second read capability

Construction: Compact and durable ABS enclosure with no moving parts

Passenger/agent displays

Display: Bright VFD 2 x 16 characters

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

Interface

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

Other: RJ11 port for optional RP9000 receipt printer, keypad or auto boarding gate applications - order model BGR135.

The receipt printer can print seat, flight and passenger data from M1 format barcode documents

Physical characteristics

Dimensions: 116W x 114H x 187D mm

Weight: 950 g

Power supply

Input voltage: 9-15 VDC; AC universal power adapter supplied

Protocols supported

ARINC Muse & iMuse ®

RESA CREWS ®

SABRE EGR ®

SITA CUTE ® NT and APC

Ultra CUSE®

Edge Airport Cupp-T®

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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