BGR700 2D BCBP Boarding Gate Reader

2D BCBP boarding gate solution with optional contactless / NFC capability capable of reading from any media

The BGR700 is a robust boarding gate reader for 2D barcoded boarding passes (BCBP’s), designed specifically with a large throat to allow truly intuitive use with all media types including the latest smartwatches.

The BGR700 reads omnidirectionally and face up, enabling operators to rapidly read barcodes. Speed of transaction is enhanced by near-zero latency, so that barcodes are read instantly on presentation.

Designed for future-proof operation, the BGR700 can be upgraded for contactless operation in the field. This allows it to cater for the latest developments in NFC-enabled phones, tablets and smart cards.

Additional features to ensure fast and intuitive passenger processing include: colour LCD display for passenger information, bright green and red LED visual indicators, a user-programmable audio beep to confirm successful data capture, a receipt printing port and an integrated on/off switch.

A wide range of configurations are 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 to them.

Options

- Field Upgradeable Contactless/NFC capability
- Quick release bracket.

Features

- Fast, omnidirectional 1D/2D barcode imager
- Easy-to-read colour LCD display (480x272px)
- Large document throat allows smartphones, tablets, and smartwatches to be easily read
- Wide face up ‘read zone’ allows for intuitive use and fast barcode reads
- Reads IATA-recommended PDF417, QR, Aztec and other 2D and linear symbologies
- Wide range of emulations available
- RS-232, USB or Ethernet connection to host
- Upgradeable software
- Configurable green and red indicator beacons and audio beeper
- RS-232 serial port for receipt printer functionality, for example seat, flight and passenger data from M1 format barcode documents
- Auxiliary USB ports
Specifications

**Barcode reader**
Compliance: AEA2012
1D symbologies: Code 128, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, EAN
2D symbologies: IATA resolution 792, QR, Aztec, PDF417 and Datamatrix codes.
Media types: Will read: smartphone, tablet and smartwatch displays and paper documents and tickets.
Performance: Less than 1 second read capability

**Contactless reader (Optional)**
Supported media: ISO14443 type A and B cards (Java cards); max baud 424K (extendable to 848K)
Mifare UL, Classic 1K, Classic 4K, UL-C, Mifare Plus; max baud 106K
Operating frequency: 13.56 MHz
Operating distance: 20 mm

**Passenger/agent displays**
Display: Colour LCD (480x272px)
Visible/audible: Green (good read) and red (bad read) indicator beacons and audio beeper. Configurable capability.

**Interface**
Host interface: RS-232C Baud rates 9600, 19200, 38400, 115200; Ethernet & USB
Serial port: for receipt printers incl. the RP900
3 x USB Port

**Physical characteristics**
Construction: Robust ABS enclosure with no moving parts
Dimensions: 135W x 184H x 214D mm
Document/Scan orientation: Face-Up
Weight: 1215g (with NFC: 1265g)

**Power supply**
Input voltage: 12 VDC; power adapter supplied

**Protocols supported (pending)**
AirT Ease®
Amadeus ACUS® (Pending)
ARINC iMuse & VMuse®
Edge CUPPS-T (Pending)
RESA CREWS® (Pending)
SABRE EGR®
SITA Airport Connect®
Ultra CUSE® (Pending)

**Environmental**
Temperature: Operating 0°C to +50°C; Storage 0°C to +60°C
Humidity: 0% to 95%, non-condensing

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Quick Release Bracket
The BGR700 quick release bracket provides a simple means to secure the device to a countertop 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 relocating hardware or theft.

Dimensions