

BGR750 Flatbed 2D BCBP Boarding Gate Reader

Boarding gate solution with optional contactless & MRZ passport reading

Description

The BGR750 is a modern, flatbed Boarding Gate Reader for all barcoded boarding passes (BCBP's), designed specifically to allow intuitive use with all media types including the latest phones, tablets and smart watches.

Barcode tickets are presented, face-down, over the scanning window. The large window, wide viewing angle, and depth-of-field creates a large barcode reading area. This makes positioning of the barcode easy and results in fast detection and reading even before the document touches down.

The BGR750 has been designed with a very low profile making it the ideal solution for desktop or embedded use. Installation flexibility is further extended by the choice of angled, flat, or no screen (*OEM Only*) at all to suit the application.

Designed for future-proof operation, the BGR750 can be supplied equipped for contactless operation. Additionally, the BGR's large scanning window has been designed to allow for optional passport MRZ reading to be purchased as a software license. (*Available Q1-2018*)

Ease of use by passengers and operators was paramount in the design. The colour screen is utilised to display text and instructional icons to the user to enhance user interaction. Feedback is also given by the twin banks of 4 bright LEDs down the sides of the display, plus the loud audio beeper. Each of the 8 LED indicators are multicolour and can be illuminated individually, although during normal operation would typically all illuminate either Green or Red to indicate permission to board or not.

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.



Features

- Fast, powerful, omnidirectional 1D/2D barcode imager
- Angled or flat colour LCD display
- Reads IATA-recommended PDF417, QR, Aztec and other 2D and linear symbologies
- Wide range of emulations available
- RS-232, USB*, Ethernet* & Mini-HDMI* connection to host
- 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 bar code documents
- Integrated on/off switch

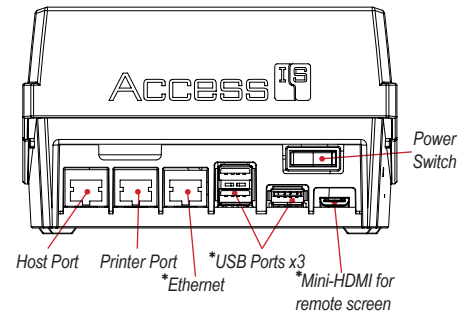
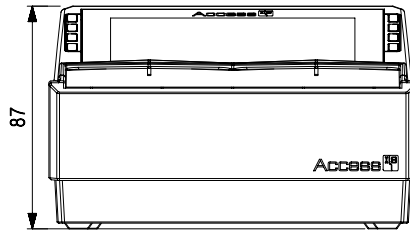
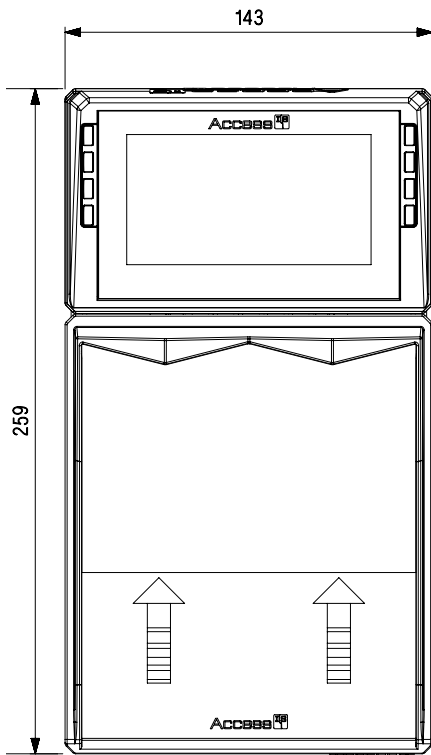
Options

- Contactless/NFC capability (Q1-2018)
- Desk mount bracket
- MRZ reading (Q1-2018)

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Access IS
Interfacing Solutions



The BGR750 is available with a flat or angled screen, or for OEM installation with no screen at all.

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

Construction: Robust PC/ABS enclosure with no moving parts

OCR reading (Option)

Standard OCR fonts: OCR-B

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

Contactless RF reader (Option)

Supported media: ISO14443 type A and B cards (Java cards); max baud 424K (extendable to 848K)

Mifare UL, Classic 1K, Classic 4K, 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. Programmable capability.

Interface

USB interface

Host interface: RS-232C Baud rates 9600, 19200, 38400, 115200; and USB

Serial port: for optional RP9000 receipt printer or auto access/boarding gate applications

Ethernet, Mini-HDMI & USB Ports:
* Available by firmware upgrade

Power supply

Input voltage: 12 VDC; PSU supplied

Physical characteristics

Dimensions (mm):

Flat Screen: 259D x 66H x 143W

Angled Screen: 259D x 87H x 143W

Active Scan Window: 94D x 130W

Weight: 1100g

Cable length: 2m

Protocols supported

AirIT Ease®

Amadeus ACUS® (Pending)

ARINC Muse & iMuse®

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

Approvals: FCC 47CFR Part 15 Subpart B Class A, EN 55022 Class A, EN 55024, FCC 47CFR Part 15 Subpart C, ETSI EN 302 291, EN 60950-1

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