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 multicouler 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)
## 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

## 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

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- AEA2012

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- Code 2 of 5
- Interleaved 2 of 5
- IATA 2 of 5
- Code 39
- EAN

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- QR
- Aztec
- PDF417
- Datamatrix

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