



# Gunnebo BoardSec

## Self-Boarding Gate

## BoardSec

The BoardSec regulates the flow of passengers onto an aircraft in a safe and secure way, freeing up the valuable time of airport staff and enabling them to concentrate on those passengers that need extra attention and support.

As with the manual BGR, the confirmation from the related airline host arrives almost instantly. Once received, the gate grants access allowing the passenger to move forward towards the aircraft.

Due to the certified full compliance with AEA 2007 - 2012 standards, the gate can be easily integrated into any Common-Use environment. Even an integration into dedicated environments can easily be realized.

Through the integration of an optional biometric identification system it is possible to use the BoardSec not only for domestic but also for international flights.

A comparison of the facial image against the enrolled biometric data provides a secure, fast and convenient ID-check inside the gate.

The passenger interface and gate usage is simple and ergonomically optimized. A wide 10.1' LCD display can be mounted inside the mantrap to give proper instructions to the passenger.

Passage transit is controlled by Gunnebo's unique algorithm by means of a dense sensor array, providing reliable detection of fraud attempts as well as reliable confirmation of passenger's boarding.

The gate can be upgraded with a passport/document reader and biometric capture devices which linked to the boarding pass verification provides greater security.

## Technical Specifications

### Drive

Highly reliable and long lasting brushless DC digital servomotor

### Materials

<b>Casework:</b>	AISI 304 grained stainless-steel
<b>Moving panels:</b>	10mm tempered clear glass
<b>Side panels:</b>	10mm tempered glass

## Operating Modes

### Entry

Controlled uni-directional with single person detection

### Exit

Exit mode optionally operated by a push button located on the exit side

### Emergency

In power failure condition or when a remote emergency signal is sent

### Stacking Option

If passengers present their boarding passes directly one after the other, the gates does not need to close between them. It counts the passages and closes after the person who presented the last boarding pass. This feature provides flow rates of up to 60 passengers per minute.

## Passenger Sensors

Gunnebo unique single person detection system and algorithm with a total of 16 sensors including safety sensors to comply to the latest EU safety regulations.

## Controlling Unit

Gunnebo dedicated gate controller architecture

## Configuration and Remote Control

Manual configuration with onboard push buttons and display.

Full remote control and diagnostics through ModBus Protocol on RS232.

## Connectivity

### Gate

- Modbus Protocol on RS232
- Digital I/O

### Embedded PC

- 4 x RS232
- 4 x USB2.0
- LVDS and HDMI Video
- 2 x Ethernet

## LCD Colour Display

- 10.1' WXGA 800x1280 resolution
- Elegant thin housing, with embedded status light
- Touch screen option available
- Entry leg and central position options

## Status Lights

LED way mode red/green indicator on top of display panel (visible on both sides) to indicate the status of the lane to an agent observing the gate.

Green/Red status lights around the 2D barcode reader and printer to indicate to the passenger that they should present a boarding pass or take a receipt for a newly allocated seat.

Gate-End-Display informing queuing passengers in front of the gate about the status with a Green Arrow/Red Cross pictogram.

### BENEFITS

Ergonomic and elegant design

High passenger throughput

Increased security

Reduction in staffing costs

Smallest footprint in the industry, reduced space requirements

### FEATURES

Walkway width from 600mm to 900mm

165 mm width cabinet footprint

Plain or sloped entry leg options available

Power Failure: Fail Lock and Fail Safe options available

Torque-limited breakthrough option available (for fail-lock version)

Advanced detection for reliable passenger safety even with carry-on luggage

Optional push button on exit end for deboarding open

Moving panel heights from 900mm to 1800mm for increased security

Controlling unit - NEP Lite controller

Local/remote override

Highly customizable through BGR GUI settings

Boarding Pass Reader System (options) Access IS –LSR116 / 118, 1 Desko – Cube / BCR504PRO/pro 504BCR

Passenger Display: 10.1' 800x1280 pixel

Gate Interface PC – fan-less high performance industrial module

OS: Windows 7 Embedded on SSD drive with EWS protection

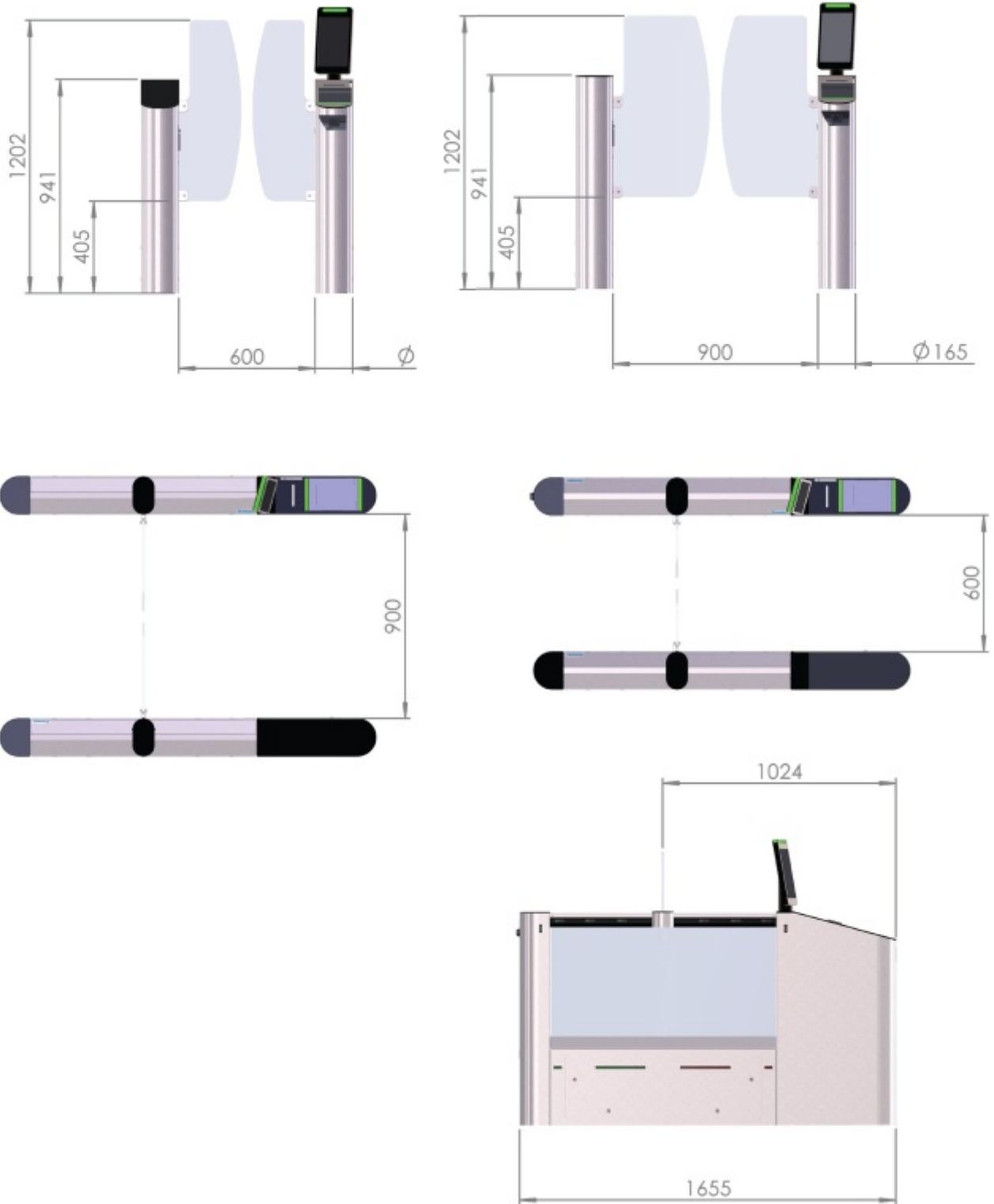
Other travel ticket media NFC/OCR/RFID

### TECHNICAL DATA

Power Supply	110/ 230Vac 50Hz/115Vac 60Hz
Power Rating	240VA during panel movement, 60 VA in standby
Operating temperature	-5°C to 40°C
IP Rating	IP 43
Flow Rates	In BCBP reading mode connected to the airport clearance system 10-12 PAX/ min (entry door in NO mde)
MCBF	10 million cycles

## Site Preparation

Concrete Base to specification at least (cube) 300N/mm<sup>2</sup> of resistance. Base to be flat and level to +/- 5mm over footprint area.



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## International Standards

### CE compliance meeting the following:

- 2006/42/EC Machine Directive
- 2004/108/EC EMC Directive

### Harmonized Norms

- EN 60335-1 (2002) Safety of Household appliances and special electrical appliances
- EN16005 (2012) Safety in use of powered pedestrian doors
- EN 61000-6-4 (2002) Electromagnet compatibility - generic standard, emission
- EN 61000-6-2 (2002) Electromagnet compatibility - generic standard, immunity
- EN ISO 12100 (2010) Safety of households and similar electrical appliances

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