Gunnebo PreSec

Automated Pre-Security Gate

GUNNEBO®
Entrance Control

PreSec

The Gunnebo PreSec is a pre-security gate developed for interfacing to the airports passenger flight information system and check the validity of the passenger entitlement to enter the security area.

The integrated reader in conjunction with the application running on the integrated PC, will confirm that the boarding pass is valid for the day of travel, the availability of the flight and other specific security items to allow the passenger to proceed in their passage through the airport.

The PreSec is located prior to the security before the traveller enters the security screening area, this being a major security junction between airside and landside.

The passenger interface and gate usage is simple and ergonomically optimized. A wide 10.1' LCD display can be mounted in different positions position 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 transit into secure area.

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

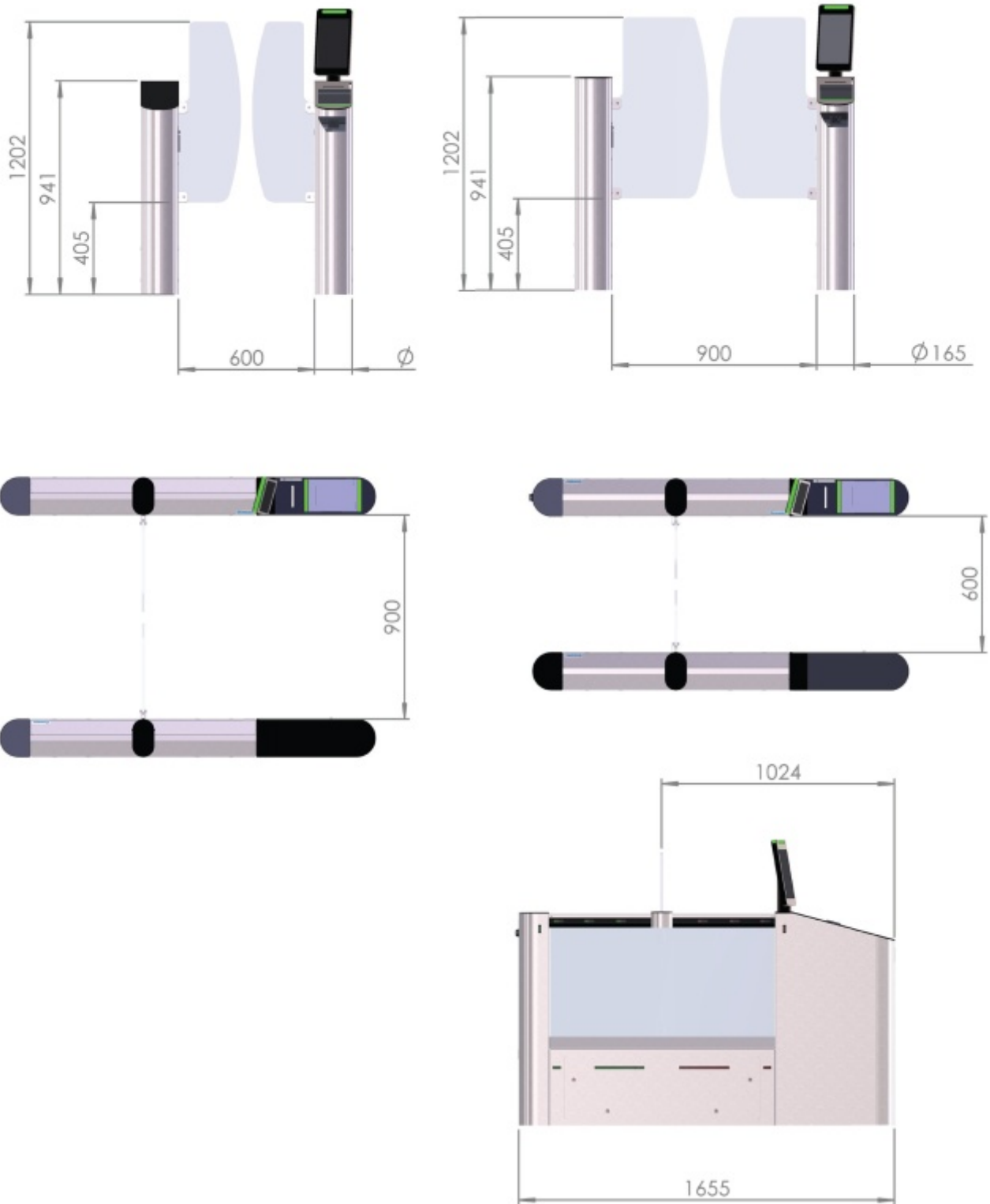| FEATURES |
|---|
| Walkway width from 600mm to 900mm |
| 165 mm width cabinet footprint |
| Plain or sloped entry leg options available |
| Power Failure: Fail Lock and Fail Safe options available |
| Torque-limited breakthrough option available (for fail-lock version) |
| Advanced detection for reliable 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/mm² of resistance. Base to be flat and level to +/- 5mm over footprint area.

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Take advantage of our knowledge:
www.gunneboentrancecontrol.com

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