



Pre-Security and Self-Boarding Gate

## KT-BG-8series



1 LANE GATE: BG-818

2 LANE GATE: BG-828

### Basic Functions

- Alarm function : with detention alarm, reverse intrusion alarm, false alarm and other sound and light alarm function.
- Gate opening/closing time: <0.6s
- MCBF: > 10 million
- Anti-interference : can be limited to prevent electromagnetic and other external factors lead to abnormal gate
- Anti-follow function : to prevent the non-permissible situation of too many people at a time. In the case of a single authorization, when two people are more than 100 mm apart in the same direction, the gate will send an alarm.
- Anti-pinch function : when the gate is closed, the gate stops closing after the sensor in the safety zone detects the object ; when the gate is closed, the safety zone sensor does not detect the object, but the door senses the object, and the door plate bounces open.
- Object detection function : object detection capability within the gate area at all levels (including the presence of children, luggage, and abandoned objects) using more than 60 infrared beams, ensuring comprehensive coverage and accurate detection.
- Pass timeout function : after opening the gate, the system will automatically cancel the user 's access right when it is not passed within the specified time.
- Abnormal impact recovery function : when the door wing receives external impact, it can quickly restore the state.
- Emergency release function : automatic opening of the device after power failure or emergency situations
- Supports gate opening with facial recognition: Yes
- Anti-forced gate opening feature: yes
- Ability to monitor device operating status: Yes
- Fire linkage function : The equipment has a fire / emergency signal interface. When the fire / emergency signal is triggered, the gate enters the emergency mode, and the gate is in a normally open state. When the fire signal is restored, the gate returns to normal state and the door wing is reset.



### Extended Functions

- Anti-tailing: prevents unpermitted situations of too many people at once
- Face recognition module with 10-inch touch screen
- Channel state indicator light (GTD)
- Channel indicator (GED)
- Normally open button: self-locking button, press the gate normally open, and then press the recovery
- Customizable number of lanes

### Compliance standards

- DIN EN 6024-1: Electrical Safety
- DIN EN 61000-6-3: EMC
- EN 12445: Safe Power Operated Doors
- EN 16005 / EN 18650-1: Powered Pedestrian Doors

### Product Specification

#### Gate size:

1600mm\*180mm\*1000mm  
(Tolerance:  $\pm 5$ mm)

#### Gate Material:

High quality stainless steel,  
polycarbonate

#### Door Wing:

10mm transparent Tempered  
glass

#### Computer:

CPU: Intel Core  
i7-1165G7, Celeron 6305E  
RAM:16G  
Operating  
System:Windows10

### Key Specification

**Power Supply:** 220VAC $\pm 10\%$ , 50Hz $\pm 5\%$

**Drive motor:** DC brushless servo motor

**Service Life:** 30 million times

**Operating Temperature:** - 10°C ~ 55°C

**Relative Humidity:** 10% ~ 90 % (Non-condensation)

**Communication Interface:** RJ45/ RS232

**Flow Rates:** 20~30 people / min

**Protocol:** MODBUS protocol

### Biometric Device Specification

**Camera:** Dual-lens anti-glare camera (RGB+IR), 2MP+2MP

**Display:** 10-inch, 800\*1280

**Memory:** 2 GB

**Storage:** 16 GB

**OS:** Android 11

**CPU:** Quad-core, 2.0 GHz

#### Imaging

- Full- page: JPG, BMP, TIFF, PNG

### Reader Device Specification

- Code 128, IATA 2 of 5, Code 39, PDF417, Aztec, QR, DataMatrix
- Barcode data communication standard: ITFS / AEA 2012 boarding / IATA Resolution 792
- Supports multiple data reading methods: MRZ, NFC, RFID, barcodes (1D, 2D) on paper and on mobile phones

### 8-inch touch screen (Option)

Resolution: 800\*1280 Brightness: 280 cd/m<sup>2</sup>

Touch: Capacitive touch

Video interface: HDMI

### Third-party software compatibility:

AEA standard / Native AEA 2012

### Warranty

Official manufacturer warranty minimum 3 years



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### Biometric Device Parameters



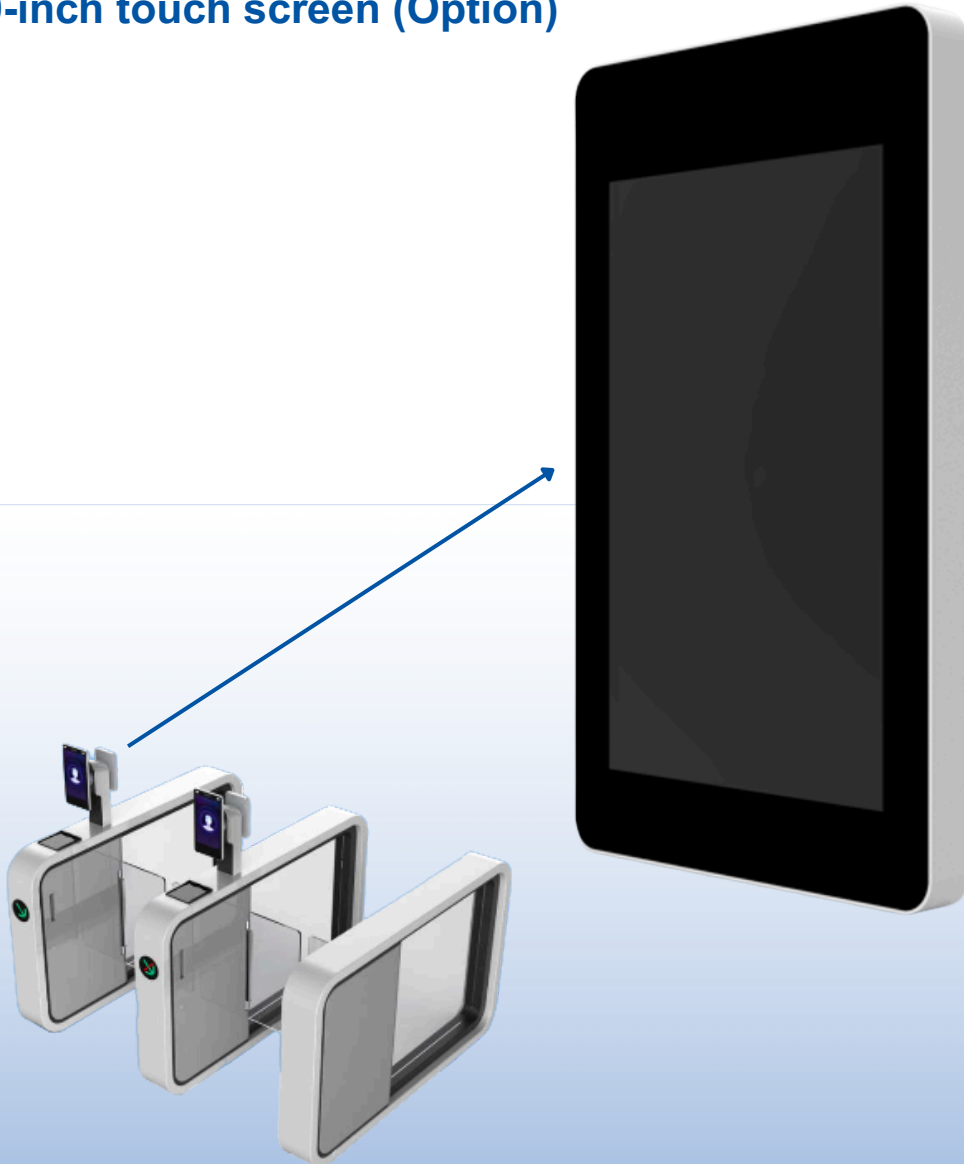
<b>OS:</b>	Android 11
<b>Processor :</b>	Quad-core 2.0GHz
<b>Memory</b>	2GB RAM, 16GB ROM eMMC
<b>Display</b>	10-inch, 800*1280
<b>Keys</b>	1 Reset Key
<b>Front Camera</b>	Dual-lens Camera (RGB+IR), 2MP+2MP
<b>Fill Light/ Indicator Light</b>	White/Green/Red/Blue
<b>Contactless Card Reader</b>	IS014443 Type A/B, Mifare HID Cards(Optional)
<b>QR Code Scanner (Optional)</b>	Support
<b>Communications</b>	Ethernet/WiFi/Bluetooth LTE/WCDMA/GPRS (Optional)
<b>Peripheral Ports</b>	1 DC Port, 1 RJ45, 1 Micro USB, 1 Wiegand Input, 1 Wiegand Output, 1 RS485, 1 RS232, 1 Relay, 1 USB Type A
<b>Audio</b>	Digital Audio Speaker, Microphone
<b>Power Supply</b>	12V/2A
<b>Bracket (Optional)</b>	Wall Mount Bracket, Turnstile Mount Bracket
<b>Dimensions (mm)</b>	315(L)*167 (W)*23 (H)
<b>Environmental</b>	Operating temperature: -20°C~ 55°C Storage temperature: -25°C~ 60°C
<b>MDM (Optional)</b>	Mobile Device Management
<b>Face Scan</b>	Capable of glare and reflection resistance when scanning faces under excessive or low light conditions



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10-inch touch screen (Option)



<b>OS:</b>	Android 11
<b>Processor :</b>	Quad-core 2.0GHz
<b>Memory</b>	2GB RAM, 16GB ROM eMMC
<b>Display</b>	10-inch, 800*1280
<b>Keys</b>	1 Reset Key
<b>Front Camera</b>	Dual-lens Camera (RGB+IR), 2MP+2MP

### CONTACT US

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