



# SPEED GATE TURNSTILES GS-9000 Series

GateSet Corporate Line GS-9000 Series Speed Gate Turnstiles are robust products functioning to provide pedestrian access control in areas requiring moderate to high level of security. Encoder and PLC controlled obstacle movement is provided by brushless DC motor, and enhanced with security features such as anti-tail-gating and anti-pass-back, with seven pairs of optical sensors embedded in the turnstile case, which in total ensures one of the highest reliability available in market and a remarkably long life even in case of intensive usages. GS-9000 Series Speed Gates are the perfect solution, where design, aesthetics and passage speed are important.

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## Functional Highlights



Linear Wing Movement



Bidirectional



Indoor



Security / Comfort



40 Passages / min

## Usage Areas

Access Control  
 Fee Collection  
 Access Restriction  
 Business Centers  
 Government Offices  
 Sport Centers  
 Industrial Plants

## Featured Characteristics

- Elegant** - Satin finished 304 Stainless Steel Case, tempered glass top cover and obstacles
- Reliable** - Brushless DC motor, controlled by Omron PLC providing a long product life with minimum maintenance
- Robust** - 1.5 mm 304 grade stainless steel Case, enhanced with 3 mm thick internal horizontal frames
- Secure** - Anti-Pass-Back and Anti-Tail-Gating with 7 pairs of embedded industrial optical sensors
- Flexible** - Ease of integration with various access control systems thanks to its control PLC answering all demanded high-end functions

## Products in this Series

- GS-9300**
- Standard Single Wing
  - 304 Stainless Steel Body
  - Black Tainted Glass Top
  - Configured as:
    - \* Master / Starting Unit or
    - \* Slave / Ending Unit
  - Provides one 550 mm wide Passage together with corresponding standard wing



- GS-9900**
- Disabled Single Wing
  - 304 Stainless Steel Body
  - Black Tainted Glass Top
  - Configured as:
    - \* Master / Starting Unit or
    - \* Slave / Ending Unit
  - Provides one 900 mm wide Passage together with corresponding disabled wing



- GS-9600**
- Standard Double Wing
  - 304 Stainless Steel Body
  - Black Tainted Glass Top
  - Configured as:
    - \* Master / Center Unit and
    - \* Slave / Center Unit
  - Provides two 550 mm wide Passages at each side together with corresponding standard wings

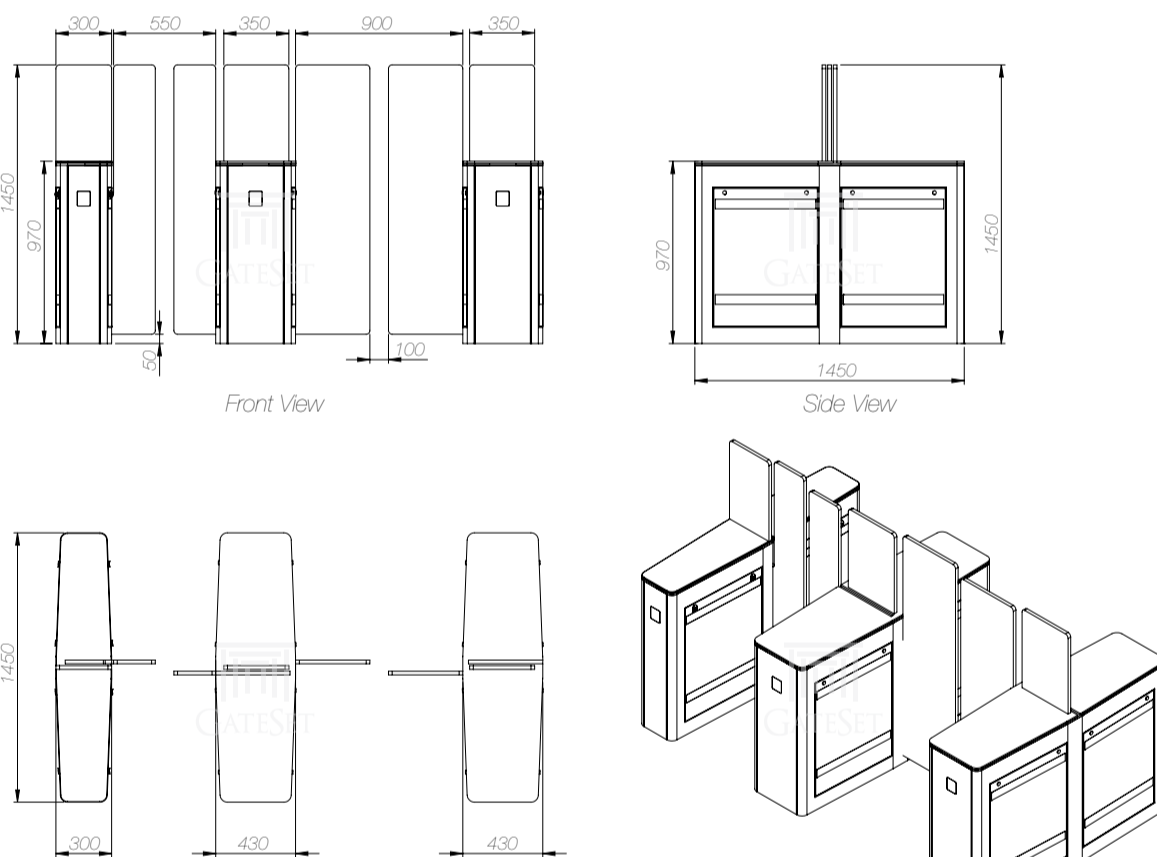


- GS-9920**
- Hybrid Double Wing
  - 304 Stainless Steel Body
  - Black Tainted Glass Top
  - Configured as:
    - \* Master / Center Unit and
    - \* Slave / Center Unit
  - Provides one 550 mm wide and one 900 mm wide Passages at each side together with corresponding standard and disabled wings



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## Drawings and Dimensions\*



\* Dimensions are given for 1+1 Passage Configuration with 1200 mm Obstacle Height. Subject to change depending on design or project needs without prior notice

## Technical Specifications\*

<b>MATERIAL - MAIN BODY</b>	1.5 mm 304 grade stainless steel, satin finishing
<b>MATERIAL - TOP COVER</b>	10 mm Plexiglas Layer for LED Stripes, Finished by 10 mm Tempered Safety Glass (Black Tainted)
<b>MATERIAL - INNER CASE</b>	Reinforced with 5 mm horizontal and 3 mm vertical galvanized metal bars to increase strength
<b>MATERIAL - OBSTACLE</b>	12 mm thick safety tempered glass for standard passage
<b>SIDE COVERS</b>	Removable to provide easy access for servicing and maintenance
<b>TREATMENT - OTHER PARTS</b>	Optical sensors are covered with 3mm thick Plexiglas
<b>CASE DIMENSIONS (mm)</b>	All other parts are coated against corrosion
<b>OBSTACLE LENGTH (mm)</b>	300 x 1450 x 980 (GS-9300, GS-9600), 430 x 1450 x 980 (GS-9900, GS-9920, GS-9940)
<b>PASSAGE WIDTH (mm)</b>	225 mm (Standard Passage), 400 mm (Disabled Wing)
<b>WING HEIGHT</b>	550 mm (Standard Passage), 900 mm (Disabled Passage)
<b>OPERATING VOLTAGE</b>	1200 mm
<b>POWER CONSUMPTION</b>	115-240 V AC / 24V DC - 50-60 Hz
<b>OPERATING TEMPERATURE</b>	150 W (max) for single wing, 300 W (max) for double wings
<b>ACCESS CONTROL</b>	-20 °C / + 70 °C
<b>SENSOR CONTROL</b>	Highest end Omron PLC control for contact access. Easy integration with all proximity access control equipment, configured to receive free granting as standard, flush-mounted kind of reader integration into top-lid for both directions of passage (110x110mm cut-out standard, different dimensions available)
<b>PASSAGE TIME-OUT</b>	7 point (pairs) IR sensor control for N/O mode, sequential (switching) passage feature for N/C mode. The system continuously monitors the status of the corridor and gives alarm in several cases
<b>ENCOUNTERING</b>	When a user occupies the lane without flushing a card, systems gives alarm after an adjustable time in instances where the lane is not used when access is granted the system will give alarm after adjustable time-out duration is exceeded
<b>ANTI-TAIL-GATING</b>	When the lane is occupied from the opposite direction of the granted access, the system will give alarm
<b>WARNING INDICATORS</b>	When an unauthorized access attempt is made right after a valid access, system will give alarm and block access right after the valid passage (alarm/block access configurations are adjustable)
<b>SIDE LED STRIPES</b>	Position of the obstacle wings are detected by inductive switches
<b>OBSTACLE MOVEMENT</b>	Two separate warning indicators at front and rear sides of the gate. Green arrow indicates "Passage Open", Red cross indicates "Passage Closed"
<b>SAFETY SENSOR</b>	Passage indication with side LEDs, Red for passage blocked, Blue for standby
<b>DIRECTIONAL MODE</b>	Motorized movement by 24 V DC - 30 W brushless motor, coupled with 50:1 gearbox
<b>CAPACITY</b>	Speed control with encoder. Obstacle movement speed is adjustable
<b>OPERATIONAL SAFETY</b>	Middle safety IR sensor for preventing obstacle - user interference
<b>ELECTRICAL FAILURES</b>	Unidirectional and Bidirectional operation features as "Only Entrance", "Only Exit", "Entrance and Exit"
<b>EMERGENCY OPERATION</b>	Handling more than 40 passengers per minute
<b>COMMUNICATION INTERFACE</b>	Electrical and mechanical safety for all components. To avoid injuries, all corners are rounded
<b>INSTALLATION</b>	The wings are released automatically to be opened easily by hand
<b>CERTIFICATION</b>	Fail-Safe: Wings will be remain it the current position (standard)
<b>WARRANTY</b>	Fail-Secure: Wings automatically hide to ensure safe evacuation during emergency (optional)
	Built-in RS485 and COM Port connectivity
	Ease of installation with mounting plate
	ISO 9001:2015
	2 Years

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## Optional Accessories

**DC Power Pack**  
 With DC Power Pack, wings can be configured to open automatically in case of power failure

**UV Logo Printing on Glass**  
 Personalized graphics printing on obstacles are provided on demand

**Stand-Alone Card Reader**  
 For sites without Access Control System, seamless stand-alone card reader is available

**Button Control Panel**  
 Designed for ease of operation from reception or supervision desks, remote or wired options

## Finishing Options

Standard	304 Stainless Steel, Satin Finishing
Optional	316 Grade Stainless Steel, Satin Finishing
Optional	Powder Coating with Anti-Rust Layer and Heat Treatment (RAL Colours Available)

