SMART TECHO

SWING BARRIER GATE MODEL: ST-SES3216-1

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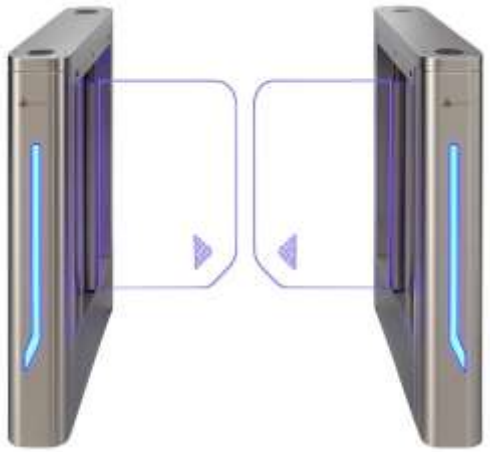
SWING BARRIER GATE

EASY TO INSTALL, SAFE TO USE AND SIMPLE TO MANAGE.



Two side

INTRODUCTION

The SMART TECHO ST-SES3216-1 is a motorized swing barrier gate designed to control and manage pedestrian access in secured areas. The barrier wings automatically open and close to allow or restrict authorized passage. The system can be integrated with various access control technologies, including RFID, fingerprint, facial recognition, palm recognition, and QR-code readers, providing a reliable and efficient solution for controlled pedestrian access.

APPLICATIONS

The ST-SES3216-1 is suitable for use in government facilities, financial institutions, banks, telecommunications facilities, information technology environments, publishing facilities, leisure facilities, and educational institutions

MODE OF OPERATION

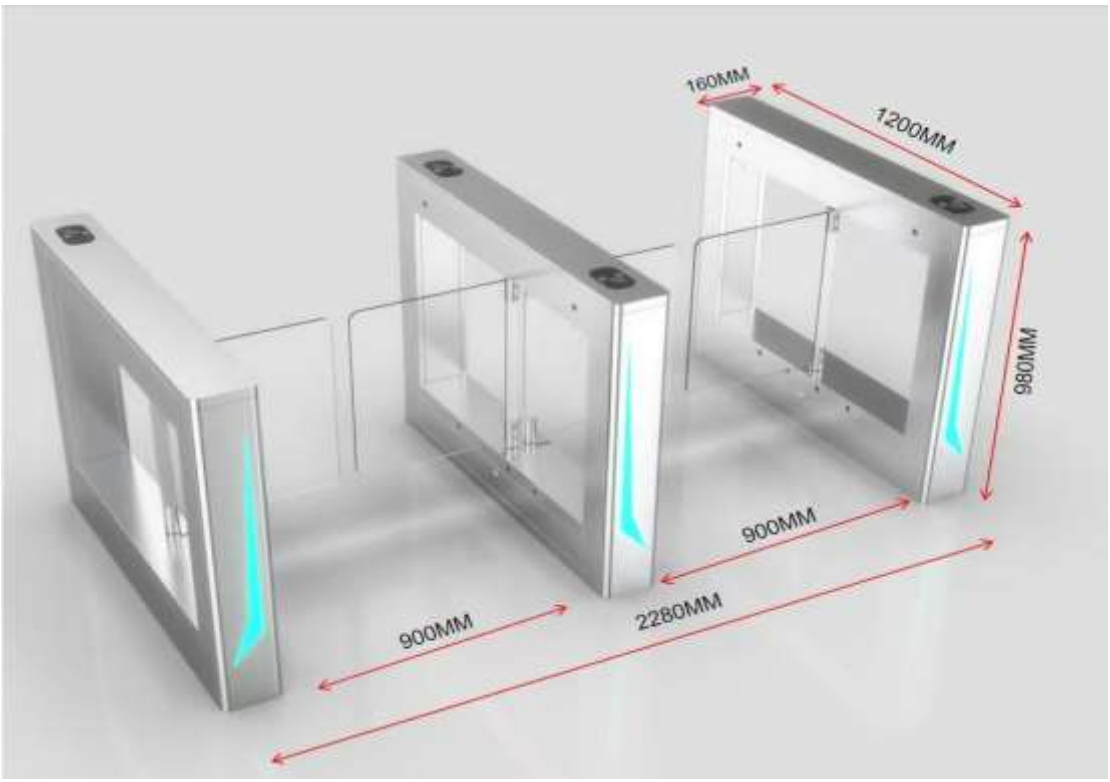
- **Passage in one or both directions is electronically controlled through the access control system or push button.**
- **Upon receiving an authorization signal, the barrier wings open automatically from their normally closed position.**
- **If an unauthorized person attempts to tailgate or enter from the opposite direction, the built-in alarm system is activated.**
- **If no passage occurs within the preset timeout period, the barrier closes and automatically resets.**
- **The ST-SES3216-1 provides an adjustable passage width of 600–900 mm. Side and center units can be configured to create multiple passage lanes.**

- **The integrated sensor system detects passage and provides safe operation, helping to prevent users from becoming trapped between the barrier wings.**
- **Various access control devices, including card readers, biometric readers, remote control units, QR-code scanners, and push buttons, can be integrated with the ST-SES3216-1 via a dry-contact interface.**
- **Once access authorization is granted, the barrier opens automatically. After the user passes through the lane, the sensors detect the passage and the barrier closes automatically.**
- **The system is equipped with three pairs of sensors. If the authorized user does not pass through the lane within the present time, an audible buzzer warning is activated and the barrier closes automatically.**
- **Green and red LED indicators located on both sides of the ST-SES3216-1 indicate the permitted passage direction.**

Specifications

ITEM	SPECIFICATION
Model	ST-SES3216-1
Case Dimensions	160 (W) × 1200 (L) × 980 (H) mm
Passage Width	600–900 mm
Configuration	Two-Side
Drive Motor	90K 30 W DC Brushless Motor
Movement	Brushless Swing Drive with Integrated Brake
Access Control	Supports RFID, Fingerprint, Face Recognition, Palm Recognition, and QR-Code Scanners
Passage Rate	35–50 persons/min
Opening / Closing Time	Adjustable from 0.5 to 1.5 s
Top Cover	304 Stainless Steel
Front Cover	304 Stainless Steel
	Open Area
Working Environment	Indoor / Outdoor (with shelter)
Indicators	LED Status / Directional Indicators
Barrier Wings	12 mm Clear Acrylic
Sensors	3 pairs
MCBF	7,000,000 cycles*
Protection Level	IP54
Weight	38 kg
Input Voltage	100–240 VAC, 50/60 Hz
Operating Voltage	24 VDC*
Power Consumption	150 W*
Operating Temperature	−20°C to +70°C
Operating Humidity	≤90% RH, non-condensing

Dimensions (mm)



Drawing

