

Saturn-H1300

Detachable Full Height Turnstile
Rapid & Reliable Security

Compatible with

 ZKBio CVSecurity



Introduction

The Saturn-H1300 Series integrates easily with fingerprint authentication, facial authentication, RFID card and QR code verification. fitting smoothly into your existing access control setup. Its bi-directional operation can be independently configured as controlled, locked, or free rotation, ensuring adaptable security for any environment. Saturn-H1300 Series is equipped with red and green LED indicators which provide clear visual guidance for users.

Also, the Saturn-H1300 is a high-security pedestrian access gate engineered for mobility — directly overcoming the key limitation of traditional full-height turnstiles, which are fixed and difficult to relocate. Designed for temporary access control, rapid deployment, and convenient transportation, it can be quickly disassembled into compact modules and redeployed across multiple sites, making it the practical choice wherever perimeter security needs change.



Design

1. Enhance durability by using stainless steel (SUS304) with good corrosion and rust resistance. You can upgrade your FHT with stainless steel (optional SUS316).
2. A dual-color (red and green) LED visual indicators for instant access status.
3. Main Controller Enclosure Door (A Main Controller located behind for maintenance and debugging).
4. Fully welded stainless steel bars for structural rigidity.
5. Removable rotor rod design, reducing shipping costs and simplifying on-site maintenance.
6. Multiple authentication options: compatible with facial recognition, fingerprint, RFID and QR code.
7. IPX4-rated splash protection for indoor and covered outdoor.
8. Easy installation on ground with drill holes positioning plate.

Features

Modular Design & Easy Mobility

- Disassembles into 3–5 modules for easier transport, handling, and storage.
- Net weight 152 kg (gross: 198 kg) — modular build enables relocation and redeployment by a small crew, no heavy equipment needed.
- Standard size (single lane): approx. 1400 × 1190 × 2265 mm.

High-Level Security Performance

- Full-height enclosure design that prevents climbing, vaulting, and crawling through.
- Mechanical anti-tailgating: only one person allowed per authorized pass.
- Anti-reverse entry (anti-passback), anti-collision.

Safety & Emergency Control

- Allow free passage during power failure (fire safety mode).
- Automatic locking when power is restored.
- Unlocks immediately upon receiving a fire signal for emergency evacuation.

Reliable Operation

- Silent and smooth operation.
- Service life 2 million cycles.

Access Control Compatibility

- Supports tech cards, QR codes, facial recognition, fingerprint.

Specifications

Model Name	Saturn-H1300
Audio Indicator	N/A
Visual Indicator	LED visual indicators integrated into the vertical column Red cross: passage denied Green arrow: passage allowed
Display	N/A
Lane Type	Single lane
Lane Width	600mm
Lane Height	2265
Footprint (L*W)	1400*1190
Rotor Movement Type	Full-height rotating turnstile
Rotor Diameter	38mm
Rotor Arm Configuration	3-blade rotor
Rotor Arms	9
Motor	N/A
Throughput Rate	Max. 20 to 25 people per minute
Clutch	N/A
Rotor Arm Material	Stainless steel
Cabinet Material	SUS304 stainless steel (the housing features a precision 240# hairline finish) / (SUS316 stainless steel optional)
Lid Material	SUS304 stainless steel (the housing features a precision 240# hairline finish) / (SUS316 stainless steel optional)
IR Sensors	N/A
Motherboard Function	System configuration, entry log memory, safety logic
Motherboard Communication	Fire alarm port (Relay)*1
Controller	Standard full height turnstile controller
Credential Options	RFID reader: ProID10; Fingerprint reader: FR1500S or 3rd-party readers QR Code reader: QR500 Compatible with ZKTeco and third-party facial recognition standalone access control terminals.
Flow Rate	RFID: 20 passengers per minute Fingerprint: 15 passengers per minute QR Code: 20 passengers per minute Facial Authentication: 15 passengers per minute
Accessibility	600mm (23.62") standard lane for pedestrians
Power Supply	100-120VAC or 200-240VAC, 50/60Hz
Power Rating	40W
Noise Level	Less than 60 dB
MCBF	2million
Weight	Net Weight: 152kg; Gross Weight: 198kg
Dimension (L*W*H)	1400*1190*2265mm
Dimensions with Packing (L*W*H)	2150*760*703mm
Operating Temperature	-28°C to 60°C
Operating Humidity	0% to 95% RH (non-condensing)
Certifications	CE, FCC (pending)
Ingress Protection Rating	IPX4

Supported Software	ZKBio CVSecurity (depends on the access controller installed)
Safety Features	Emergency escape function
Security Features	Anti-pass back, Anti-tailgating
Product Delivery	Pre-assembled for easy installation
Application Environment	Indoor and Covered Outdoor
Site Preparation	Flat and level finished floor (optional base plate for unfinished floors)
Security Level	High
Emergency Mode	Rotor unlocks automatically during emergencies
Packing Material	Wooden Box
Warranty	1 year

Dimensions (mm)

