

TURNSTILE BARRIER GATE

Automatic Turnstile Gate

Manage your crowd smoothly using our smart Automatic Turnstile Gate for Pedestrian Access, built to stop unwanted people from entering. This highly durable gate works perfectly with all types of card, face, and fingerprint scanners.

[Automatic Turnstile Gate](#)

[Official Brochure](#)



SOLUTION SNAPSHOT

SMART CROWD CONTROL	STOP UNAUTHORIZED ENTRY	WORKS WITH ALL SCANNERS
STRONG AND LONG LASTING	EASY SYSTEM CONNECTION	SAFE EMERGENCY EXIT

Built for Real Operations

Manage your crowd smoothly using our smart Automatic Turnstile Gate for Pedestrian Access, built to stop unwanted people from entering. This highly durable gate works perfectly with all types of card, face, and fingerprint scanners.

CAPABILITIES

Key Features & Product Modules

Heavy-Duty Stainless Steel Chassis (The Outer Body)

The entire outer frame is crafted from premium-grade, rust-proof stainless steel. It is laser-cut and precisely welded to shield the inner electronics from heavy impacts, extreme weather, and daily wear. This solid structure gives the machine a beautiful, high-end look while ensuring it lasts for decades without scratching or losing its shine.

Smart Industrial Control Board (The Brain)

The gate is powered by a high-speed micro-controller motherboard that processes commands in milliseconds. It reads data from scanners, controls the motor speeds, and runs active self-diagnostic checks to detect errors instantly. This intelligent mainboard guarantees that the system never freezes or lags, even during peak office hours.

Multi Zone Infrared Sensor Array

Inside the walkway frame, we integrate a network of high-accuracy infrared light beams. These sensors continuously monitor the exact position, speed, and direction of the person walking through. This advanced setup prevents "tailgating" (two people trying to pass on one scan) and stops the gates from closing on bags or children.

Dual Directional LED Indicator Array

Built into the top cover are bright, crystal-clear LED light bars that change colors dynamically. They display sharp green arrows when access is granted and clear red crosses when the path is locked. These energy-saving lights are highly visible from a distance, naturally guiding people to the correct lane.

High Precision Brushless Motor (The Power Drive)

At the heart of the gate is an advanced, non-contact brushless motor that drives the barrier wings. Because it has no carbon brushes, it creates zero friction, generates no heat, and runs completely silent. This modern motor is designed to perform millions of smooth rotations without requiring any regular oiling or maintenance.

Toughened Tempered Glass Barriers (The Wing Gates)

Moving barrier wings are made from thick, impact-resistant tempered glass. These panels are engineered to withstand strong physical pressure without breaking. In the rare event of a massive impact, they shatter into tiny, harmless blunt pieces rather than sharp shards, keeping your visitors completely safe.

Universal Access Interface Hub

This dedicated communication panel allows the gate to connect with any third-party security system. It features flexible input/output ports that let you plug in facial recognition cameras, fingerprint modules, or RFID card scanners instantly. It acts as an open bridge, making the gate compatible with any software dashboard.

Fail Safe Electromagnetic Brake

This critical safety component controls the manual and automatic unlocking mechanism during emergencies. When power flows normally, it keeps the gates secure. The moment power cuts off or a fire alarm rings, the magnets release instantly, allowing the glass wings to push open freely for a zero-blockage evacuation.

Where This Product Fits



Airport Pass & Security Access Control



Factory Worker Shift Control



Office Lobby Visitor Management



University Campus Identity Verification



Secure Data Center Entrance Protection

Software, Benefits & Outcomes

Centralized Admin Dashboard & Control

This is the main control center that allows your security team to monitor, lock, or open all connected turnstile gates in real-time from a single computer or web browser.

- See the active status of every gate lane and check if they are running normally, locked, or open.
- Instantly open or lock all barriers from the desk during VIP visits or emergency situations.
- Get immediate, on-screen notifications if anyone tries to force a gate open or tailgate behind another user.

Multi Method Identity & Access Management

This core module registers all users, assigns their entry permissions, and connects perfectly with card scanners, fingerprint readers, or facial recognition cameras.

- Quickly create profiles for employees, students, or visitors and choose exactly which gates they can pass through.
- Issue temporary RFID cards or generate digital QR codes for guests that automatically expire after a set time.
- Prevents a user from passing their card back to a friend, ensuring one valid scan allows only one specific person inside.

Automated Attendance & Analytical Reporting

This smart engine automatically tracks every single entry and exit to generate precise attendance logs, work hours, and crowd traffic data without any manual paperwork.

- Automatically records precise check-in and check-out times for payroll, HR systems, or school databases.
- View clean visual charts showing peak traffic hours to help you manage building safety and security placement.
- Easily download daily, weekly, or monthly entry reports in clean Excel or PDF formats for quick audits.



Case Studies & Client Feedback

"From contract signature to live tolling operation took 11 days. The API integration with our billing back-end was straightforward and well-documented."

CTO, National Toll Authority

450-km highway network

RESOURCES

Media & Questions

Q. What happens if there is a fire or an emergency?

A. Our turnstile gates are built for safety. In an emergency or fire alarm, the gate arms will automatically drop or unlock so people can leave the building quickly without any delay.

Q. Is the gate strong enough for outdoor use?

A. Absolutely. The housing is made of high-grade stainless steel. It is designed to resist rust and can handle harsh environments, whether indoors or outdoors.

Q. Can I use my existing office ID cards with this gate?

A. Yes! The system is very flexible. It can integrate with almost any existing RFID card, fingerprint, or biometric system you already have.

Q. How does it stop "tailgating" (people sneaking in)?

A. The gate uses smart sensors and a mechanical lock. Once one person passes, the gate locks instantly until the next person provides a valid scan.

Ready to deploy Automatic Turnstile Gate?

Talk to Nirikhon for product consultation, installation planning, integration support, and enterprise deployment.

Hotline: 01712345678 | Website: www.nirikhon.com