EXQUISITE

Compact Speed Gate

EXQUISITE TECHNOLOGY UK LIMITED

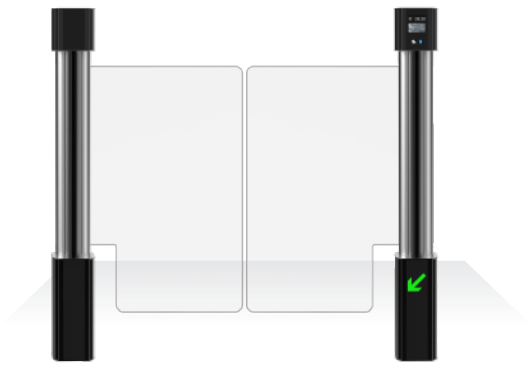
The Future Is Here
Everything Is Changing!

Beyond Unique, Beyond Elite

Compact speed gates is no longer just custom-made products. With a range of models, accessories, and standard gates available in multiple width specifications, our solutions can be flexibly configured to suit various applications.

Installing compact speed gate is no longer a complex engineering project. With no need for communication cables between the lanes, installation is as simple as securing the unit to the ground with expansion bolts and connecting the power supply. Optional network and security signal cables can also be added. It's even easier than installing a home air conditioner.

E256X Series



Dual-Gate Single-Passage

Dual-Gate Multi-Passage

E257X Series

Dual-Gate Single-Passage

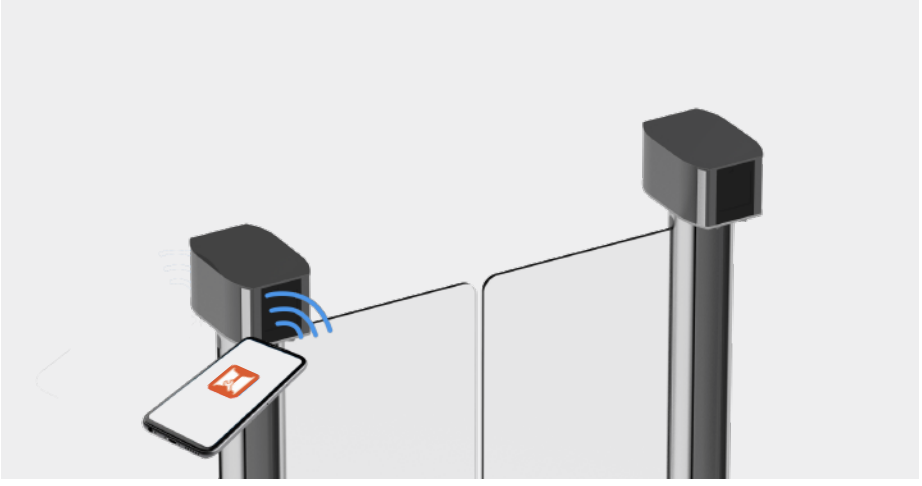
Dual-Gate Multi-Passage

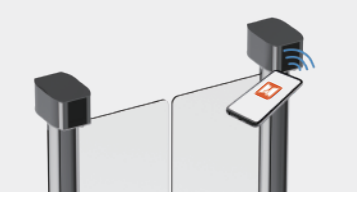
Smart Connectivity

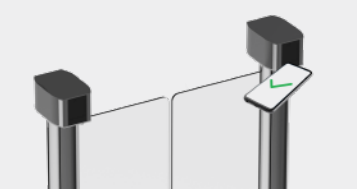
The self-designed controller and interface expansion board provide a rich set of interfaces including **RJ45**, **Wiegand**, and **Relay**. So the gate can connect to gate platform and third-party access control system for functions such as access control, parameters configuration, and data management.

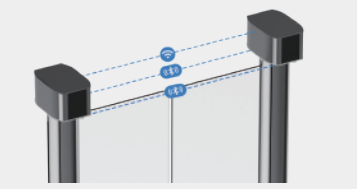
Both desktop and mobile applications provide intuitive, easy-to-use configuration tools that cater to all user requirements—no professional installation team needed. The software is designed with a clear interface and built-in online assistance for a seamless user experience.

Onsite setup, service and Config with mobile App









PC Management Interface

- Gate Management
- Operating Mode Configuration
- Whitelist Personnel Management
- Passage Permission Management
- Passage History
- Visitor Management

Users can configure multiple operational modes, such as time-based automatic changes to entry and exit directions, similar to reversible lanes in traffic. These adjustments can be easily managed via mobile app or remote control.

Bluetooth Remote Control

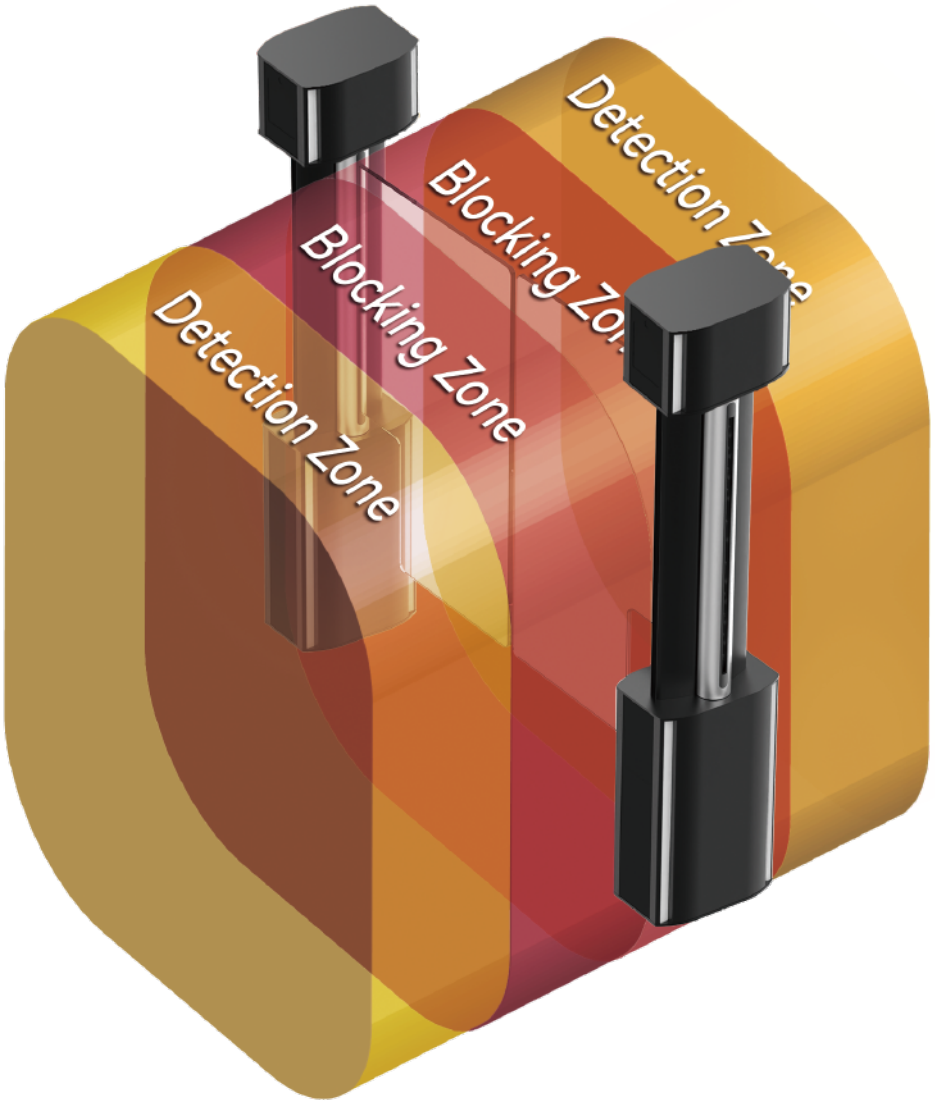
Bluetooth Control on App

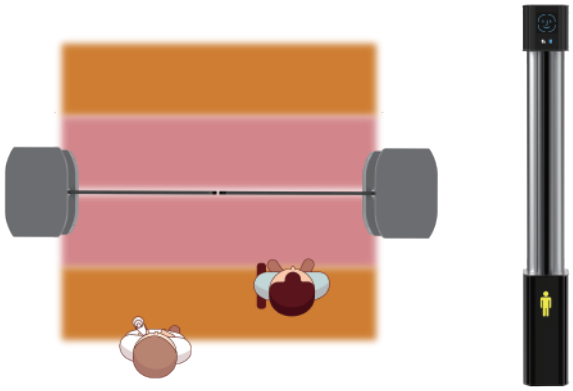
Remote Control on PC

More Advanced Sensing

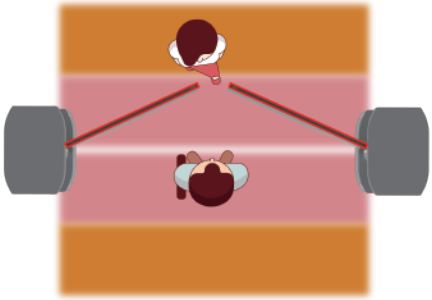
Traditional pedestrian channel gates require long lanes and multiple infrared sensors to detect pedestrians, objects, and tailgating.

Our approach is different. We use a proprietary 3D laser sensing system that creates a panoramic image at both ends of the gate. Our AI-powered recognition model can identify people, luggage, and children under 1.1m in height. It also detects movement speed and direction. This enables our gates to operate in a much smaller footprint—**just 25 cm in length**—while detecting movement several metres ahead or behind.





Tailing

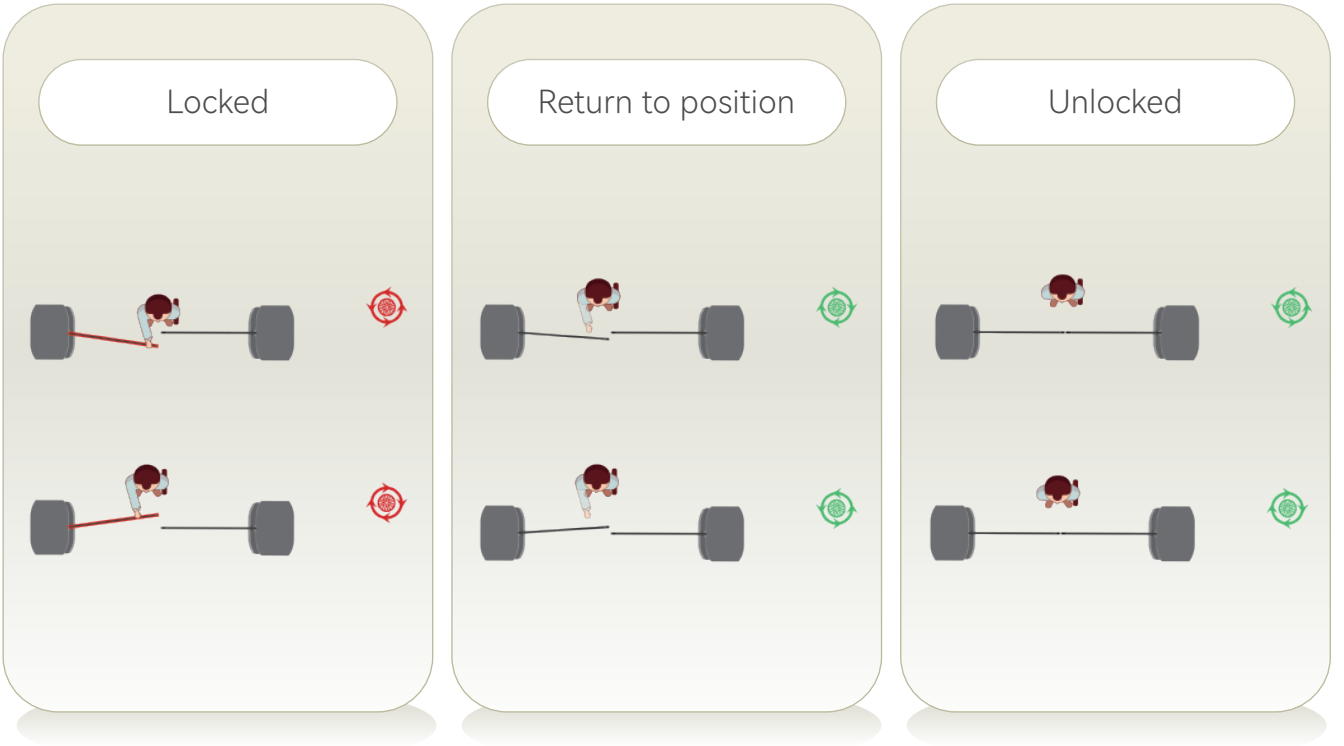


Opposite Blocking，Stop Opening Door

Smart Gate Assistant

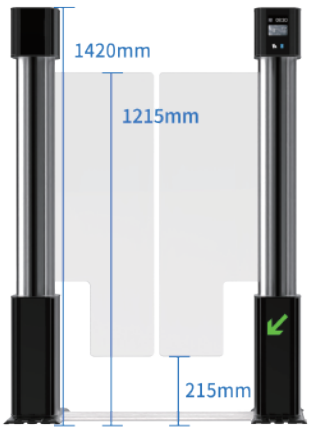
Our **self-designed active induction lock** is built differently from traditional electromagnetic clutches. Using an **overrunning clutch mechanism**, the system detects abnormal door movement in real time and can lock the direction of force within just **10 milliseconds**. Once the force is released, the door quickly returns to position. The benefit of this one-way locking is that the door can quickly return to its original position after sensing the release of the push/pull force.

Auto-induction Lock



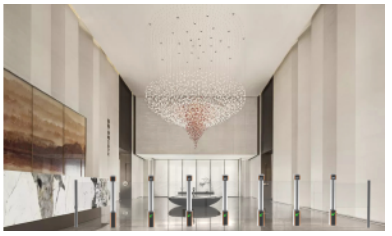
The new **self-designed active induction lock** is an intelligent component. The **magnetic levitation paddle-controlled overrun clutch** provides significantly greater locking torque than traditional electromagnetic clutches. The locking/unlocking process produces **almost no mechanical collision noise** and experiences **minimal mechanical wear**. Additionally, it **consumes almost no power** in both the locked and unlocked states.

Electronic Lock	Traditional Clutch
✓ Overrunning clutch mechanism: Ultra-low noise and quiet	✗ Loud rebound and vibration noise
✓ Low wear and long service life	✗ High locking wear, limited service life
✓ Strong locking torque(>500N·m)	✗ Limited holding torque （about 50N·m ）
✓ Ultra-fast response(<10ms)	✗ Normal response(>200ms)
✓ Continuous locking without power consumption	✗ High power consumption for locking, severe overheating, and inability to sustain long-term locking.



Our **1.42m-high, 10mm-thick tempered glass doors**, combined with the powerful locking mechanism, ensure a high-security, **fully unattended** access system.

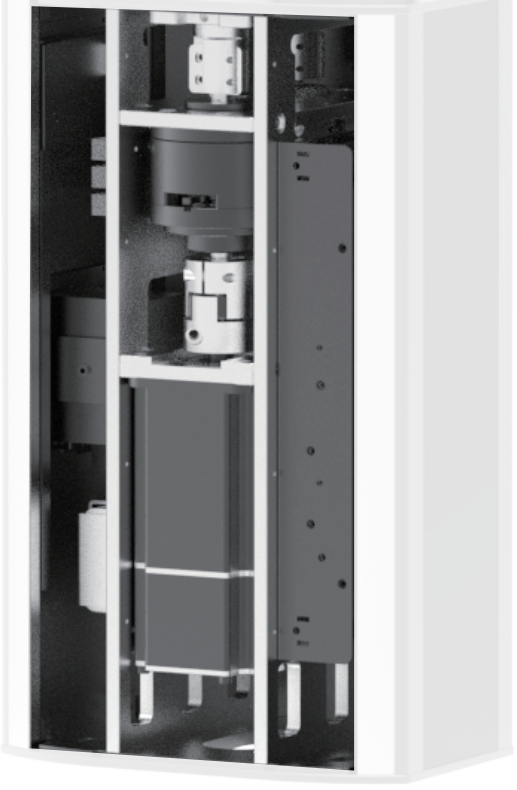
Elegant And Quiet



A servo motor directly drives the door shaft, eliminating the need for mechanical transmission components **and avoiding mechanical wear.** This design not only prevents **performance degradation** caused by long-term, high-frequency use but also ensures an **exceptionally quiet** opening and closing process.

The **optimized servo control algorithm** enables **precise motor torque control** and **accurate detection of the rotation angle**. The opening and closing movements are **smooth and quiet**, with **precise and stable start/stop positioning.**

The **high-torque motor,** equipped with an **adaptive algorithm**, automatically adjusts to doors of varying weights, supporting a maximum door weight of **up to 20 kg**. The **opening and closing speed** can reach **as fast as 0.3 seconds**. Users can **adjust the speed in multiple levels** based on different application scenarios.



There Is Always One That Suits You

With years of expertise in **identity recognition and smart terminal technology,** the independently designed **identity recognition module** integrates **multiple authentication methods**. Users can choose **one or more** identification methods based on their needs.

Face Identification with
bio identification technology

BLE Identification
on App & WeChat Applet

NFC Card Identification

QR/Barcode Recognition

Crisp, Gorgeous And Stylish

The **passage indication module** features **high-brightness, full-color LED displays** to indicate **entry direction, restricted access, slow passage status**, and more.

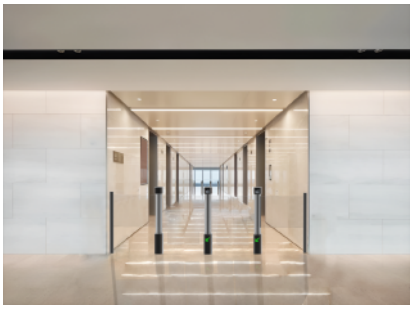
Free Passage Indicator

Verified Indicator

No Entry Indicator

Slow Passage Indicator

Assemble Like Building Blocks



The **entire system features a modular design**, where each functional component is an **intelligent module** connected to the controller via an **industrial bus**, and the controller is network-connected. Like a mobile app, **each smart module supports remote software upgrades** and can also be **updated on-site** using a **mobile installation and maintenance app.**

The **modular design** not only allows components to be **interchangeable across product series** but also significantly **reduces the complexity of after-sales service**, making **component replacement quick and easy**. The **controller's self-diagnostic software** can m**onitor the operational status** of each component in real time.

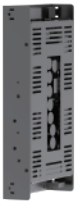
❶ Controllor Module

❷ Passage Detection Module

❸ Electronic Locking Module

❹ Recognition Display Module

❺ Power Module

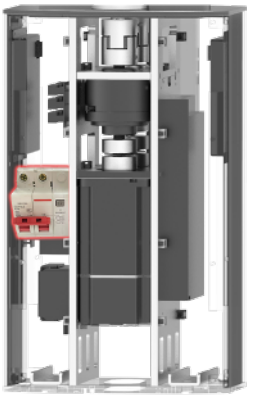


❻ Passage Indicator Module

❼ Drive Module

Safety Is Important

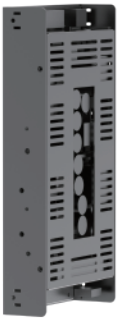
Each main unit is equipped with a **circuit breaker** and an **earth leakage protector.**



Security and Protection Signal

It can be integrated with **security signals.** When a **security alarm** is triggered, the **passage gate automatically opens** (configurable by the user).

The independently designed power supply **is also an** intelligent module, **equipped with a built-in** battery **that allows operation for** over 30 minutes **during a power outage. Users can configure the** passage gate to remain open or locked **in the event of a power failure.**



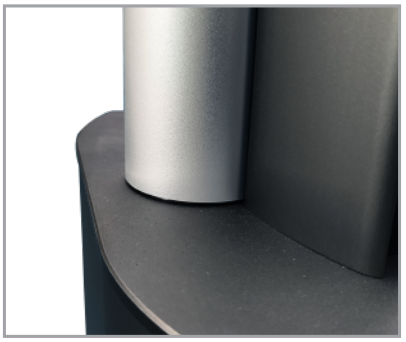
Premium In Every Detail

The **entire product structure** is made of **aerospace-grade aluminum alloy**, precisely machined using **CNC equipment**, with n**o manual welding or polishing**, ensuring superior product quality. The **corrosion-resistant, high-hardness surface treatment** enhances both the **premium appearance** and **wear resistance**.

Aviation-Grade Aluminum Alloy

CNC Technology

High-Hardness Surface Treatment



Multiple widths of gate door are available

Different usage environments may have varying passage widths. A range of **gate attachments in multiple widths** is available, allowing for **easy on-site installation and replacement.**

The gaps between the passage and the walls on both sides can be filled with **wall-side partition glass**. These partitions are **the same height as the glass doors** and are **available in various** widths for a seamless fit.

Passage partition kit is available

Due to the short-passage design of the product, in high traffic areas, passage partition kit can be optionally selected and the on-site installation is also highly convenient.

Easy Installation Accessories

If you use the standard easy-installation accessories, there's no need to cut cable channels, no need to drill holes for expansion screws, and no additional cables are required. Simply connect the accessories to install the main unit.

Easy Engineering Installation Accessories

Installation is easy with the easy engineering installation accessories. There's no need to cut cable channels or use additional cables-just secure the main unit with expansion bolts to finish the installation.

THE FUTURE IS HERE

EVERTHING IS CHANGING!

The **Future** Is Here!

Everything Is **Changing!**

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Software/Manual-EN

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