

# FBL6000 Pro & FBL6200 Pro

Speed Gate Flap Barrier for High Pedestrian Flow



RFID



Fingerprint



QR code



Visible light  
facial recognition



The FBL6000 Pro Series flap barrier is designed for high-traffic environments, it features a rapid and responsive flap barriers that achieves a throughput rate of 30 people per minute, effectively alleviating congestion.

Constructed with SUS304 stainless steel and IPX4 protection rating, ensuring the FBL6000 Pro for waterproof and corrosion resistance. Also, the FBL6000 Pro Series is equipped with multiple infrared sensors, anti-pinch technology, and an unauthorized access alarm system, it ensures pedestrian safety at all times. Whether in corporate offices, transit stations, or public facilities, the system guarantees a safe and reliable experience.

# Product highlights

## • Fast Passage:

The flap doors open quickly, ensuring high passage efficiency. The maximum capacity to accommodate 30 people per minute in peak hours, reducing the queuing time for personnel and ensuring smooth passage.

## • Durable and Stable:

Featuring a brushless DC motor and durable SUS304 stainless steel construction, the equipment delivers exceptional stable operation, with a Mean Cycles Between Failures (MCBF) exceeding 5 million cycles.



## • Infrared Detection:

It is standardly equipped with 5 pairs of infrared detectors, supporting anti-pinch, anti-tailgating, and wrong way entry detection. It supports the installation of up to 9 pairs of infrared detectors.

## • Integrated with Biometric Authentication Options:

- Facial Authentication (Post Mount)
- Fingerprint Authentication
- RFID Authentication
- QR Code Scanning (Static and Dynamic)

## Features

### Designed for All-Weather Performance

Constructed with SUS304 stainless steel, FBL6000 Pro features an IPX4 protection rating, ensuring waterproof and corrosion resistance, which makes it ideal for operation in outdoor environments and adverse weather conditions.

### Seamless Integration with Biometric Security Access Control

It can be integrated with various identity recognition devices such as RFID card readers, QR code readers, fingerprint and facial authentication devices. By matching different authentication devices and integrating various access control systems, it efficiently manages high throughput rates, ensuring smooth pedestrian flow.

## Safety Functions

It has functions such as automatic fault detection, dry contact and switch signal input interfaces, adjustable automatic delayed closing, safety detection by infrared sensors, alarm for illegal intrusion and reverse passage, and anti-pinch function, providing all-round protection for pedestrian passage safety and stable system operation.

## Emergency Mode

The flap barriers will automatically open in case of power failure to ensure the rapid evacuation of personnel in emergency situations. The device is linked with fire protection signals to open the door, ensuring the safe passage of pedestrians in emergency situations.

## Passage Indication

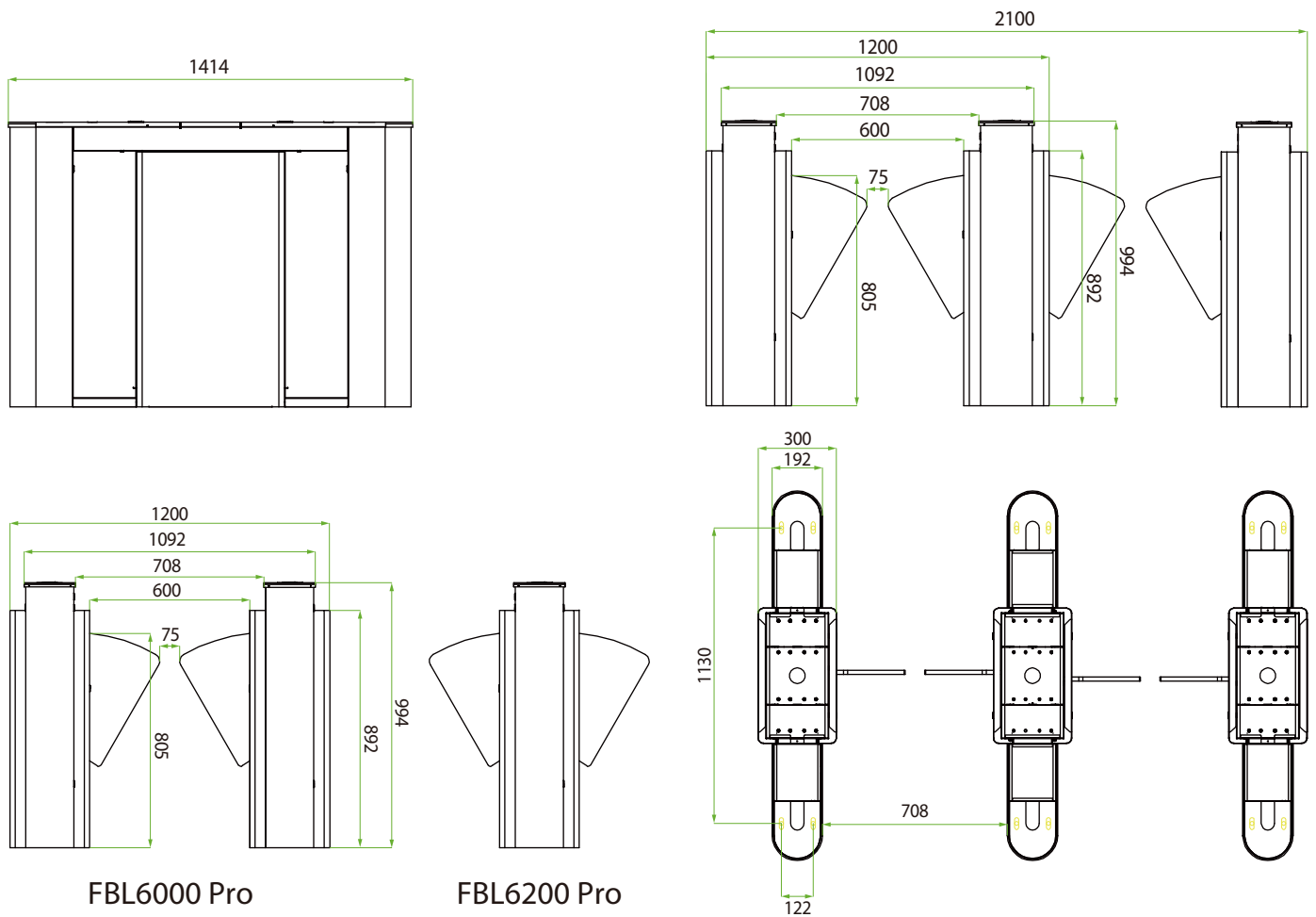
It is equipped with passage indicator lights. A green arrow indicates permission to pass, and a red cross indicates prohibition of passage. The indication is clear and understandable, guiding pedestrians to pass in an orderly manner.

## Specifications

Model	FBL6000 Pro	FBL6200 Pro
Audio Indicator	Speaker	
Visual Indicator	LED pictograms Steady green arrow = normal use Steady red cross = door closing	
Display	N/A	
Lane Type	Single lane	Dual flap barriers for additional lane
Lane Width	600mm	
Lane Height	994mm	
Barrier Movement Type	Retractable Flap barrier (Acrylic/ Optional: Tempered Glass)	
Motor	DC brushless motor	
Movement Speed	0.6s to 1s	
Movement Accuracy	1.5 Degree per movement	
Clutch	N/A	
Cabinet Material	SUS304 Stainless steel	
Lid Material	SUS304 Stainless steel	
IR Sensors	Equipped with 5 pairs (standard). Support up to 9 pairs (optional).	
Motherboard Function	System configuration, access mode configuration, anti-tailgate configuration.	
Motherboard Communication	Fire alarm port (Relay)*1, RS485 port*1	

Controller	C3 series controller/ InBio series controller (optional). 3rd-party controller subject to turnstile chassis space.	
Credential Options	RFID reader: ProID10 ; Fingerprint reader: FR1500S or 3rd-party readers; QR Code reader (Static / Dynamic): QR500; Facial authentication terminal(Post mount): G4 Pro	
Flow Rate	Facial Recognition: 30 passengers per minute; RFID: 20 passengers per minute; Fingerprint: 15 passengers per minute ; QR Code: 30 passengers per minute ;	
Accessibility	Standard lane (600mm) : adult	
Power Supply	AC110-220, 50/60 Hz	
Power Rating	40W	
Fire Signal	Input for voltage-free contact	
Noise Level	Less than 60 dB	
MCBF	>5 million	
Weight	Net Weight: 100kg Gross Weight: 150kg	Net Weight: 70kg Gross Weight: 90kg
Dimensions (L*W*H)	1414*300*994mm	1414*300*994mm
Dimensions with Packaging (L*W*H)	1510*780*1230mm	1510*400*1230mm
Operating Temperature	-20°C to 70°C	
Operating Humidity	0% to 95% RH (non-condensing)	
Certifications	CE, FCC	
Ingress Protection Rating	IPX4	
Supported Software	ZKBio CVAccess/ ZKBio CVSecurity (Depends on equipped access controller)	
Safety Features	Power off unlock device/ Fire alarm active door release	
Security Features	Anti-intrusion, wrong way enter alarm Automatically close/lock door no one pass	
Product Delivery	Pre-assembled for easy installation	
Application Environment	Indoor and Outdoor	
Site Preparation	Flat and level finished floor (optional base plate for unfinished floors)	
Security Level	Middle	
Emergency Mode	Flap barrier unlocks automatically during emergencies	
Packing Material	Wooden Box	

## Dimensions (mm)



## Application Scenarios



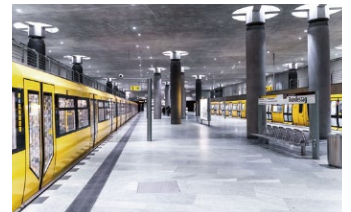
Airport



Bus Station



Subway Station



Factory



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V4.7 09/11/2025