

Introduction

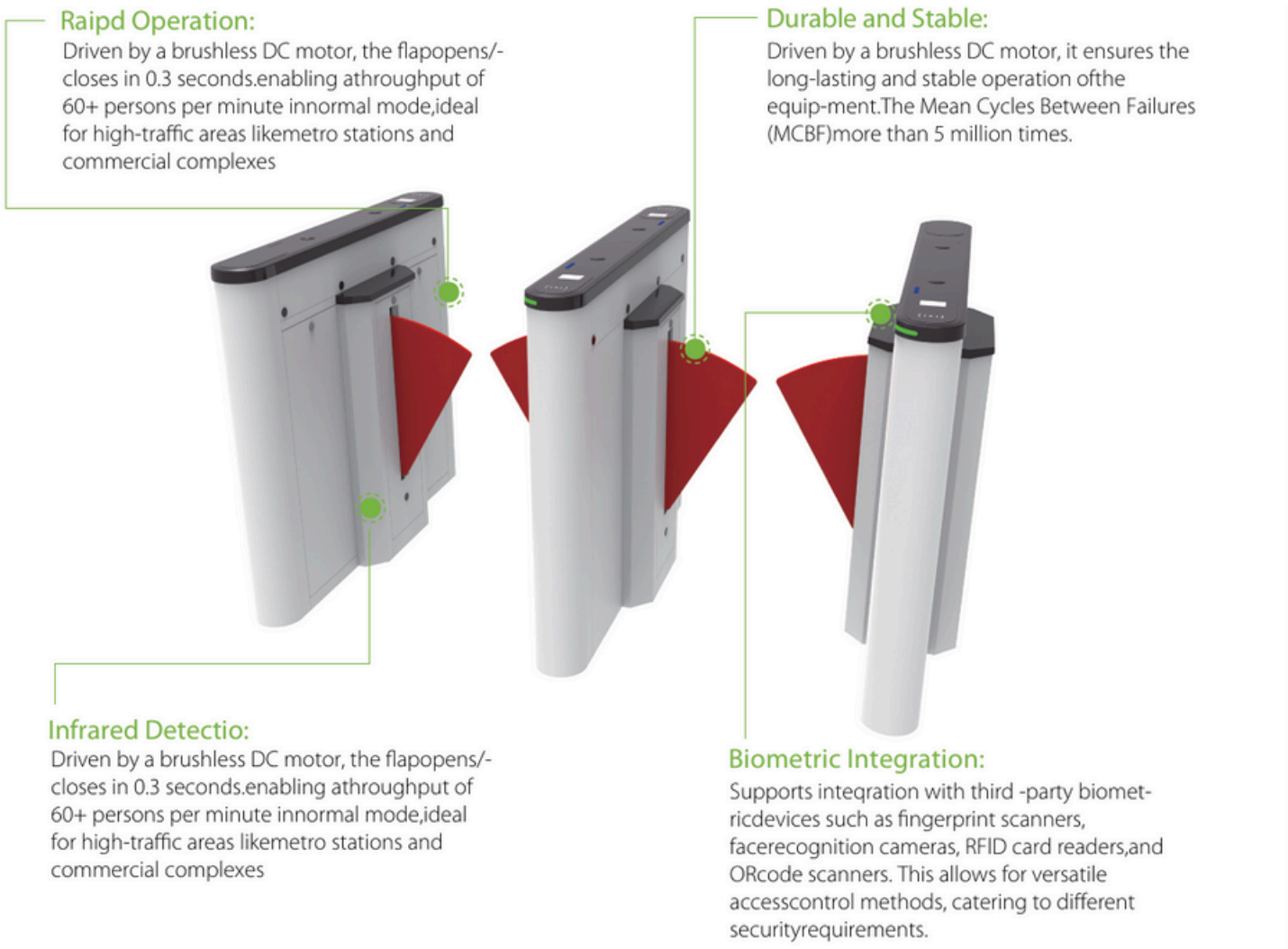
Ewit's EW-FB02 series flap barrier flap barrier is a high-efficiency solution designed for efficient access control for both indoor and outdoor scenarios.

Constructed with a robust cold-rolled SPCC steel chassis and a PC retractable barrier, the EW-FB02 ensures durability and safety while maintaining a modern appearance. Equipped with a DC brushless motor, the EW-FB02 delivers rapid operation, opening or closing in less than one second per movement.

The system integrates advanced features such as anti-pinch and anti-tailgating detection, as well as multiple authentication options—including RFID, QR code, and facial recognition—to meet diverse security requirements.

The EW-FB02 supports a flow rate of up to 30 passengers per minute (RFID/QR code) and 15 passengers per minute (facial recognition), making it ideal for high-traffic applications.

Product Highlights



Key Features

Fast Passage Experience

The EW-FB02 ap barrier turnstile enables rapid opening and closing—typically in less than one second—providing smooth, e cient throughput for up to 30 passengers per minute. This high-speed performance is ideal for busy environments like airports, metro stations, and stadiums, minimizing wait times and streamlining pedestrian ow during peak periods.

Fast Passage Experience

Advanced infrared sensing and ve sensor pairs provide precise detection, e ectively preventing tailgating and unauthorized entry.

Exceptional Stability Performance

A robust internal structure and high-quality materials, combined with a durable DC brushless motor rated for 5 million cycles, ensure reliable, low-maintenance operation in high-tra c environments.

Flexible Customization

The ap barrier can be diversely customized to meet the needs of di erent venues and readers. It can integrate with IC/ID card readers, QR code readers and facial recognition devices to satisfy diverse authentication requirements.

Powerful Functionality

Oers congurable passage modes: such as one-way, two-way, or free passage, to suit various access control scenarios.

Durable Material with IPX4 Protection Rating

Built with powder-coated cold-rolled steel for corrosion resistance and it reached IPX4 protection rating for enhanced water protection.

Specifications

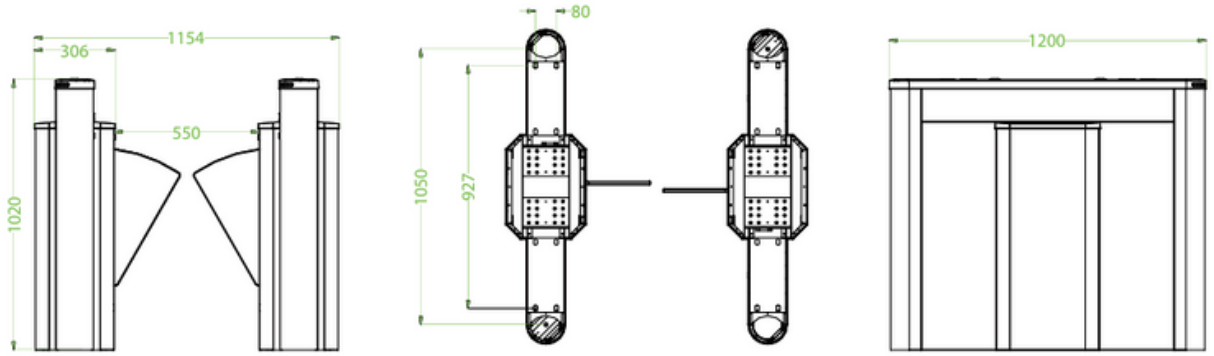
EW-FB02 Flap Barrier Product Template Specifications

Model	EW-FB02	
Audio Indicator	Speaker	
Visual Indicator	LED pictograms Steady blue = Standby, Steady green = Normal use Steady red = Barrier close	
Display	N/A	
Lane Type	Dual Lane	Dual flap barriers for additional lane (with EW-FB02)
Lane width	550mm	
Lane Height	1020mm	
Barrier Movement Type	Retractable flap barrier (Polycarbonate)	
Motor	DC brushless motor	
Movement Speed	Less than 1s per movement (open/close timing)	
Movement Accuracy	N/A	

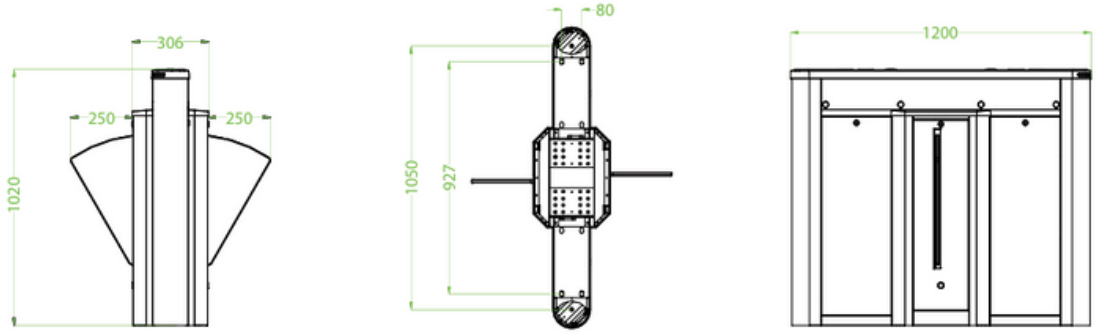
Clutch	N/A	
Cabinet Lid Material	Cold-rolled SPCC Steel (GB700)	
Lid Material	Polycarbonate+2.5D tempered glass	
IR Sensors	5 pairs	
Motherboard Function	System configuration, access mode configuration, anti-pinch configuration, anti-tailgate configuration etc.	
Motherboard Communication	Fire alarm Port(Relay)*1, RS485 Port*1,	
Lid Options Authentication Methods	Streamlined under mount options: RFID / QR Code Top mount options with mounting pole: Facial Recognition (compatible with ProFace X / SpeedFace V5L / Elite Pass)	
Chassis Material	Cold-rolled SPCC Steel (GB700)	
Chassis Colour	White	
Controller	C3, InBio series or or third-party devices	
Credential Options	Under mount RFID reader: (support model: ProID Series) Under mount QR Code Reader: QR500 Top mount facial recogntion terminal: ProFaceX/ Elite Pass/ SpeedFace V5L	
Flow Rate	RFID: 30 passengers per minute QR Code: 30 passengers per minute Facial Recognition: 15 passengers per minute	
Accessibility	Standard lane (550mm): Adult and children	
Power Supply	110V / 220VAC @ 50-60 Hz	
Power Rating	10VA (Standby), 40VA (Operation)	
Fire Signal	Input for voltage free contact	
Noise Level	Less than 60dB	
MTTR	Less than 60minutes	
MCBF	5 million	
Weight	Gross weight (60kg) Net weight (50kg)	Gross weight (35kg) Net weight (30kg)
Dimensions (L*W*H)	1200*734*1020mm	
Dimensions With Packing (L*W*H)	1345*360*1100mm	
Operating Temperature	-20°C to 70°C	
Operating Humidity	20% to 85% RH (non-condensing)	
Certifications	CE, FCC	
Ingress Protection Rating	IPX4	
Supported Software	eWit CVAccess / eWit CVSecurity (Depends on equipped access controller)	

Safety Features	IR sensor safety detection Logic voltage 24V DC Voltage free contact input for fire alarm fail state Auto opening on power off
Security Features	Anti-intrusion, anti-tailgating, wrong way enter alarm, automatically close door when no one pass
Product Delivery	Pre-assembled
Application Environment	Indoor/ Outdoor
Site Preparation	Flat & level finished floor (base plate in options for unfinished floor)
Security Level	Middle
Emergency Mode	Support (door unlock automatically)
Packing Material	Carton box

Dimensions (mm)



EW-FB02



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