

## High-Security Entry Management

The Fastlane Interlock is a cutting-edge **dual barrier turnstile** meticulously crafted for high-security environments. Designed to stop tailgating and unauthorized entry, it offers **single or multiple authentication methods** to guarantee authorized access and prevent collusion attempts. The dual sets of barriers can be supplied in various heights and operate independently while remaining interlocked, ensuring only one set opens at a time. Its glass door design provides a user-friendly interface that harmonizes functionality with aesthetics.

### Advanced Security Technology

Utilizing cutting-edge optical detection technology for unparalleled accuracy and safety.

- **78-beam** high-resolution infrared matrix
- Detects tailgaters as close as **1/4" (5mm)** apart
- Can differentiate between body mass and smaller objects

### Flexible Integration

Seamlessly connects with existing building systems for comprehensive security management.

- Compatible with Access Control, CCTV, and building management systems
- **Fastlane Connect™ ethernet communications** for remote control and diagnostics that enables Web-based turnstile control from any PC, tablet, smartphone, or from Fastlane's Multilane Controller

### Operation

Fastlane Interlock is designed to work in a normally closed mode, opening only after an access system approval. The glass barrier swings away from an authorized user. Barriers then either:

- Close quickly behind the authorized person to deter tailgaters
- Efforts to push past the glass barrier will sound a second, louder alarm
- A secondary relay can trigger CCTV, lock doors, or control elevators

Barrier turnstiles

# Fastlane® Interlock

#### Product Features

#### Interlock

Pedestal Footprint (L x W x H in inches)	126.3 x 8.6 x 41.8
Available Lane Widths (in inches)	26.0 / 36.0 (ADA)
Barrier Heights (in inches)	41.8 / 47.2 / 59.1 / 70.9
Brake Strength	≥ 120N / ≥ 300N (option)
Tailgate Detection	.25"
Throughput *	1 per second / Wider lane 1.15 seconds

#### Sustainability

- LEED Preferred Manufacturing
- Low Voltage/Low Power Consumption
- ISO 14001:2015 Accreditation



#### PINPOINT ACCURACY

#### Smart detection reduces false alarms

- Differentiates body mass from smaller objects
- Provides instant feedback of traffic flow and incidents



#### UNSURPASSED THROUGHPUT

#### Lower costs, higher ROI

- High processing speed reduces traffic build-up
- Door-like motion ensures quick user acceptance



#### SUPERIOR DESIGN

#### Elegant designs accentuate lobby

- Glass barriers provide secure and welcome entry
- Barriers open flush with the pedestal, minimizing footprint



#### FIELD PROVEN RELIABILITY

#### Maximized uptime boosts profitability

- Fewer failures mean lower repair costs
- Online diagnostics and support packages

## Durability and Reliability

Built to last, ensuring long-term performance and minimizing maintenance needs.

- In normal use, **5,000,000 cycles of operation**
- High-quality construction for lower whole-life costs
- Reduced failures and repair costs

## Visitor Management

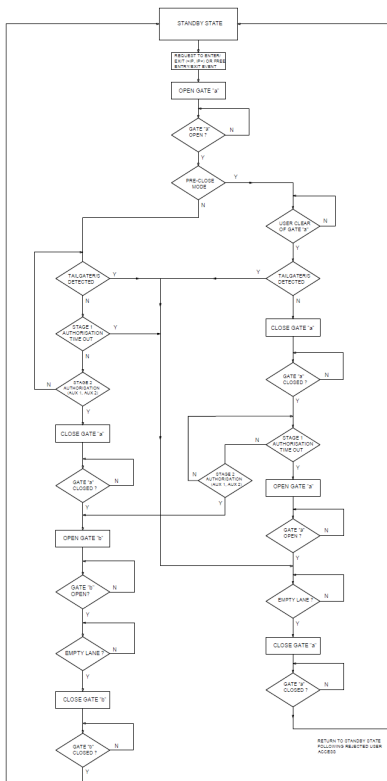
Fastlane features an optional visitor management input. When activated, unlimited access is allowed for a designated period, after which the system returns to its secure state.

## Accessories

- Fastlane Floor Protector
- Fastlane Infill System
- Locking Brakes
- FastScan™ Tenant/Visitor System
- Multiple Reader Mounting Options
- FastCmd™

Please see Fastlane accessories data sheets for additional details.

## Fastlane Interlock Logic Flow Chart



## FASTLANE INTERLOCK TECHNICAL SPECIFICATIONS

Enclosure material	Stainless steel 304, 240 grit (satin no.4), horizontal grain
Weight (Interlane Pedestal)	312.5lbs / 142kg
Weight (RX/TX Pedestal)	376.2 lbs / 171kg
Barrier material	10mm Toughened Safety Glass EN12150 10mm Toughened Safety Glass (Heat Soaked) to EN14179
Barrier Breakaway Force - Friction Brakes	≥ 120N (measured at 285mm from the shaft axis)
Maximum Rated Force - Locking Brakes	≥ 300N* (Damage to Glass clamps and panel may occur above rated force)

### Environmental

Temperature	5 to 50 degrees centigrade
Relative humidity	5 to 95% non-condensing
Energy consumption per lane	925kW hours per annum
Ingress protection	IP20 (Internal building applications only)

### Turnstile Power Specifications

Receive Gate	2 x 24Vdc 1.6A, 1.1A (max)
Transmit Gate	2 x 24Vdc 1.1A, 1.1A (max)
Dual Gate Interlane	4 x 24Vdc 1.6A, 1.1A, 1.1A, 1.1A (max)

### 24Vdc Power Supply (Included)

Enclosure	Black mild steel, wall mounted, 12" x 3" x 5.5"
Input voltage	100-240Vac, 60/50Hz, 5A fused spur connection
Output voltage	4 x 24V @10A max total current

### Access Control Inputs

Voltage-free contact; 1mA current sense	IP stage Entry & Exit request (NORMALLY OPEN closing for 1s)
Screw terminal connector	AUX1 Stage 2 Entry Request (Normally Open closing for 1s)
Max conductor CSA 16AWG/ 1.5mm2	AUX2 Stage 2 Exit Request (Normally Open closing for 1s)
Fire panel integration input	AUX3 Opto-coupled Input12-24Vdc @ 25mA nominal
Ethernet connection	RJ45 TCP/IP Port

### Access Control Outputs

Voltage-free contact; Contact Rating 28Vdc 0.5A	Entry & Exit monitor (NORMALLY CLOSED opening for 1s)
Screw terminal connector	Alarm 1 (NORMALLY CLOSED opening for 1s)
Max conductor CSA 16AWG/ 1.5mm2	Alarm 2 (NORMALLY CLOSED opening for 1s)

### System Outputs

Turnstile status display – EOL & MOL	RGB LED diffused through 10mm high clear frosted acrylic
Alarm sounder output	75 – 100 dB (93dB at 1 metre)

\* In normal use, 5,000,000 cycles of operation is expected before electromechanical subassemblies may require replacement as part of an approved preventative maintenance program.

\*Fastlane logo present on left-most pedestal base. Removal available upon request.

\* Due to continuous improvements, specifications are subject to change without prior notice.



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24/7 Technical Support

With thousands of systems installed on six continents, Fastlane is a world leader in elegant and intelligent optical turnstiles.

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