

Setting the Standard

The Fastlane Interlock is a cutting-edge dual barrier turnstile meticulously crafted for high-security environments to stop tailgating and unauthorized entry. It offers single or multiple authentication methods to guarantee authorized access, preventing collusion attempts. The dual sets of barriers can be supplied in various heights and can operate independently yet remain interlocked, ensuring only one set opens at a time. The glass door design provides a user-friendly interface, harmonizing functionality with aesthetics. The Fastlane Interlock integrates Fastlane Connect Ethernet communication for seamless control, configuration, and diagnostics, facilitating effortless network connectivity.

Advanced intelligence

The Fastlane Interlock lane has very advanced sensing technology with multi-microcontrollers to ensure safe, secure operation at all times. Users are met with a familiar glass door arrangement that is intuitive to use and aesthetically pleasing.

IP enabled

Fastlane Interlock features Fastlane Connect™, a TCP/IP communication and control system 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

Fastlane Interlock will automatically sound a local alarm if someone enters without authorization.

- 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

BARRIER TYPE

FOOTPRINT

GLASS

ARM

OPTICAL



HIGH SECURITY



PINPOINT ACCURACY



UNSURPASSED THROUGHPUT



SUPERIOR DESIGN



FIELD-PROVEN RELIABILITY

Advanced technology for superior entry control

- Detects and deter tailgaters in very close proximity
- Class leading infrared detection systems

Intelligence virtually eliminates false alarms

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

Greater return on investment

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

Refined, elegant designs accentuate lobby

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

Uptime and long lifetime improve bottom line

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

Materials

- Tops: 304 stainless steel with Corian® Deep Black Quartz ends
- Side panels and end caps: 304 stainless steel with a satin polish
- Barriers: .39" Toughened Safety Glass EN12150 .45" Toughened/Laminated for locking/tall glass options EN12150/EN14449.

A variety of premium and custom options are available to ensure Fastlane complements building aesthetics.

Visitor management

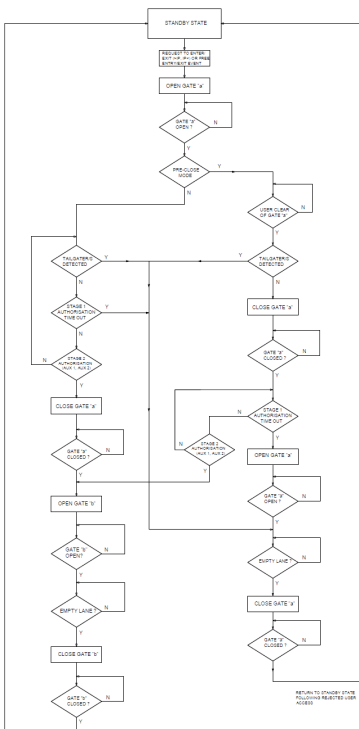
Fastlane features an optional visitor management input. When activated, unlimited access is allowed for a designated period, after which the system returns to its secure state.

Options/Accessories

- Fastlane Technical Services
- Fastlane Floor Protector
- Fastlane Infill System
- FastScan™
- Locking Brake

Please see Fastlane accessories data sheets for additional details.

Fastlane Interlock Logic Flow Chart



FASTLANE INTERLOCK TECHNICAL SPECIFICATIONS

Pedestal dimensions (standard and ADA)	Barrier glass dimensions	Barrier breakaway force
<ul style="list-style-type: none"> • Height: 41.8" (1062 mm) • Width: 8.6" (218 mm) • Length: 126.3" (3208 mm) 	<ul style="list-style-type: none"> • 4 Barrier height options: 70.9"(1,800 mm) • 59.1"(1,500 mm) • 47.2"(1,200 mm) • 41.8"(1,061 mm) 	<ul style="list-style-type: none"> • Friction Brakes 120N (12.2kg) nominal • Available locking barriers 300 N (30 kg)
<p>Weight (Interlane Pedestal)</p> <ul style="list-style-type: none"> • 312.5 lbs / 142kg <p>Weight (RX/TX Pedestal)</p> <ul style="list-style-type: none"> • 376.2 lbs / 171kg 	<ul style="list-style-type: none"> • Std. width: 26" (660 mm) • ADA width: 36" (914 mm) 	<p>Barrier speed of operation</p> <ul style="list-style-type: none"> • STD Lane < 1 second Wide Lane 1.15 seconds
Lane width	Outputs to Access System	Inputs from Access Control
<ul style="list-style-type: none"> • Standard lane: 26" (660 mm) • ADA lane: 36" (914 mm) 	<ul style="list-style-type: none"> • Voltage free relay contacts rated 0.5A, 28 V DC for output to system • Lane entered (NC) • Lane exited Exit (NC) • Alarm 1 (NC, opening for 1s) • Alarm 2 (NC, opening for 1s) 	<ul style="list-style-type: none"> • Require voltage-free switching (current sense 1 mA typical) • Entry request (normally open closing for 1 second) • Exit request (normally open closing for 1 second) • AUX1 Stage 2 Entry Request (Normally Open closing for 1s) • AUX2 Stage 2 Exit Request (Normally Open closing for 1s) • Fire panel integration- Opto-coupled Input 12-24 V DC @ 25mA nominal

Throughput*	Power requirements	Operating modes
<ul style="list-style-type: none"> • 1 person per 10 seconds • 5 persons per minute 	<ul style="list-style-type: none"> • Receive Gate: 2 x 24Vdc 1.6A, 1.1A (max) • Transmit Gate: 2 x 24Vdc 1.6A, 1.1A (max) • Dual Gate interlane: 4 x 24Vdc 1.6A, 1.1A, 1.1A, 1.1A (max) 	<ul style="list-style-type: none"> • Card in/card out • Card entry/free exit • Free entry/card out • Free entry/free exit

Tailgate detection distance	Reliability	Ethernet connection
<ul style="list-style-type: none"> • 1/4" (5 mm) minimum 	<ul style="list-style-type: none"> • 5,000,000+ cycles* 	<ul style="list-style-type: none"> • RJ45 TCP/IP port

Audible indicators	Optics	Display
<ul style="list-style-type: none"> • Alarm sounder output: 75 – 100 dB (93dB at 1 metre) 	<ul style="list-style-type: none"> • Infrared optical matrix – pulsed beam paths: 78 • 10mm Toughened Safety Glass (Heat Soaked) to EN14179 	<ul style="list-style-type: none"> • RGB LED diffused through .39" high clear frosted acrylic

* Expected time to pass through turnstile.
 * 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.