



Fast Acting “Angel Wing” Barriers

Fastlane Glasswing is an optical turnstile with retracting glass barriers, uniquely available in three widths. It combines advanced optical technology with elegant wing-shaped barriers for rapid throughput and intelligent tailgate detection. With Fastlane, security has never looked so inviting.

Advanced Security Technology

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

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

User-Friendly Design

Engineered for quick acceptance and smooth operation in high-traffic areas.

- Glass barrier retracts into the pedestal.
- Automatic local alarm for unauthorized entry
- Fire alarm integration for emergency egress

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.
- Optional visitor management input

Sustainability



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

Barrier turnstiles

Fastlane® Glasswing

Product Features	Glasswing
Elliptical End Panel Compact Pedestal	59.1 x 12.1 x 37.8
Square End Panel Compact Pedestal	49.3 x 12.1 x 37.8
Elliptical End Panel Standard Pedestal	59.1 x 14.6 x 37.8
Square End Panel Standard Pedestal	49.3 x 14.6 x 37.8
Elliptical End Panel Wide Pedestal	59.1 x 17.8 x 37.8
Square End Panel Wide Pedestal	49.3 x 17.8 x 37.8
Available Lane widths (in inches)	21.7 (compact) / 26.0 / 36.0 (ADA)
Barrier Heights (in inches)	36.5
Brake Strength	≥ 25N
Tailgate Detection	.25”
Throughput *	1 per second



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, **10,000,000 cycles of operation**
- High-quality construction for lower whole-life costs
- Reduced failures and repair costs

Customizable Options

Adaptable to various architectural styles and accessibility requirements.

- **Finishes:** Wide range of metal colors, textures, and wood-like options.
- **Glass Barriers:** Custom graphics, logos, or decorative accents available.
- **Tops:** Available top options include glass, stone, metal, and more.

Certifications (power supply only)

- UL 60950-1
- CSA C22.2 No. 60950-1-07, second edition
- Available UL 2593 certification upon request

Accessories

- Fastlane Floor Protector
- Fastlane Infill System
- Multiple desktop controls - IP or Analog
- FastScan™ Tenant/Visitor System
- Multiple Reader Mounting Options
- FastCmd™

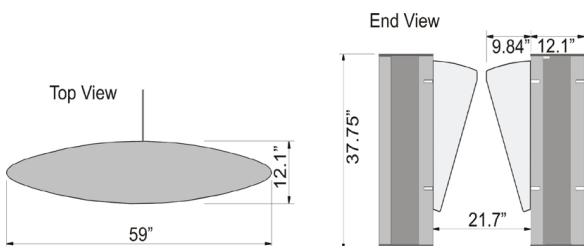
Please see Fastlane accessories data sheets for additional details.

DETAILS

Fastlane Glasswing dimensions

(standard, narrow, elliptical ends, single turnstile)

Please see the Glasswing Drawing Pack for additional details.



FASTLANE GLASSWING TECHNICAL SPECIFICATIONS

Enclosure material	Stainless steel 304, 240 grit (satin no. 4), horizontal grain
Pedestal Weight	Compact 176lbs / 80kg Standard 242lbs / 110kg Wide 264lbs / 120kg
Barrier material	10mm Toughened Safety Glass EN14179 / ANSI 97.1
Barrier breakaway force	≥ 25N
Optional Locking System	Solid lock, no breakaway function

Environmental

Temperature	5 to 50 degrees centigrade
Relative humidity	5 to 95% non-condensing
Energy consumption per lane	295kW hours per annum
Ingress protection	IP20 (Internal building applications only)

Turnstile Power Specifications

Receive Gate / Transmit Gate	24Vdc 1.3A (max)
Dual Gate Interlane	2x 24Vdc 1.3A (max)

24Vdc Power Supply (Included)

Enclosure	Black mild steel, wall mounted, 13" x 8" x 5.5"
Modules	Dual or quad 24Vdc 2.5A overcurrent fold back
Input voltage	100-240Vac, 60/50Hz, 5A fused spur connection
Outputs	24 V DC, 60 W, 1.25 A

Access Control Inputs

Voltage-free contact; 1mA current sense	Entry & Exit request (NORMALLY OPEN closing for 1 second)
Screw terminal connector	Visitor entry (NORMALLY OPEN momentary closing contact)
Max conductor CSA 16AWG/ 1.5mm2	Visitor exit (NORMALLY OPEN momentary closing contact)
Fire panel integration input	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 1 second)
Screw terminal connector	Alarm 1 (NORMALLY CLOSED opening for 1 second)
Max conductor CSA 16AWG/ 1.5mm2	Alarm 2 (NORMALLY CLOSED opening for 1 second)

System Outputs

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

* In normal use, 10,000,000 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.



www.smartersecurity.com | 800.943.0043

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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