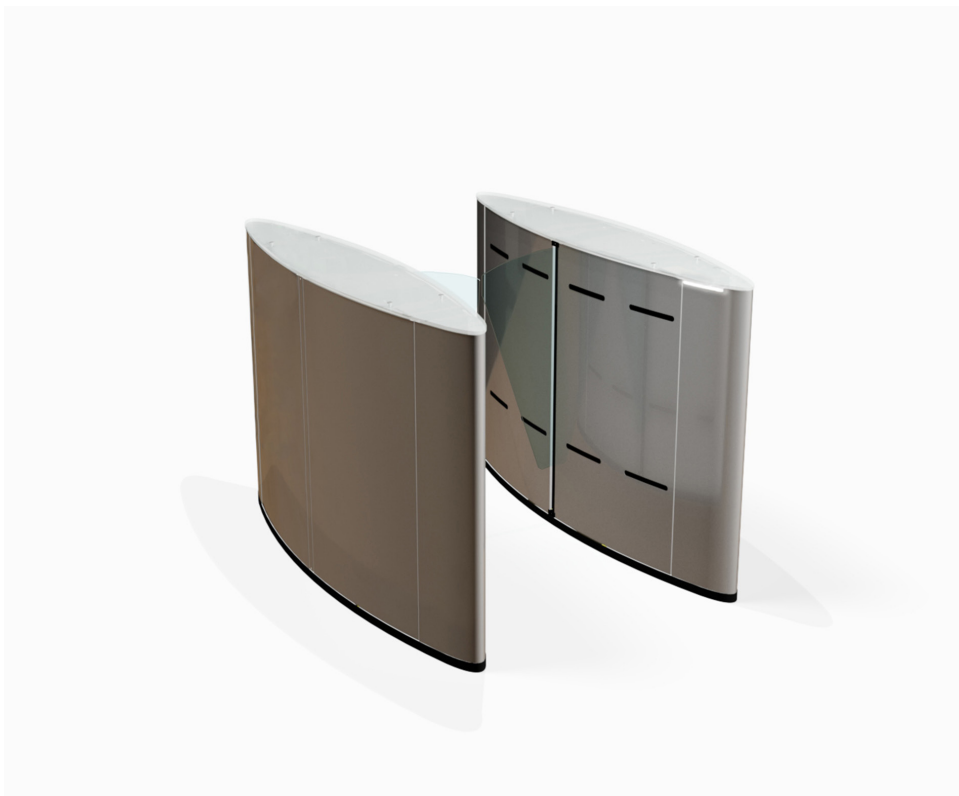# Fastlane® Glasswing
with Ethernet Connectivity

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fastlane

turnstiles by **IDL**

Setting the Standard

Fastlane Glasswing brings architectural elegance to the world of turnstile design and is available as a UL listed model. The original, and much imitated, elliptically shaped units span three different lane widths, and incorporate retractable glass panels for virtually silent, high speed operation. The luxury look and feel of the units endow the Glasswing range with the prestige befitting your high status building entrance.

The Glasswing is designed to integrate seamlessly with Access Control, CCTV and whole building management systems. By receiving information from your Access Control system, Glasswing knows how many people to admit and in which direction of travel. Any unexpected movements are instantly met with an audible and visual alarm and signals can be passed to your Access Control or CCTV system. Fastlane *Connect* Ethernet communications for control, configuration and diagnostics is an inclusive feature of the Glasswing range offering future-proof communications for the connected world.

Barrier type

GLASS

ARM

OPTICAL

Secure

- Class leading infrared detection systems
- Detects and deters tailgaters in very close proximity
- Barriers are a visual and physical deterrent

Accurate

- Accurately assesses traffic through the barrier
- Differentiates body mass from smaller objects
- Provides instant feedback of traffic flow and incidents

Features

- Quick and safe action
- High processing speed reduces traffic build-up
- Retracting barriers for speedy, quiet operation

Aesthetics

- Inspired, elegant design
- Glass barriers provide secure and welcome entry
- Barriers retract into the pedestal maximising the lane width

Reliability

- Quality build lowers whole life costs
- Fewer failures mean lower repair costs
- Online diagnostics and support packages

UL Model Available on Request

Physical

Enclosure material	Stainless steel 304, 240 grit (satin no.4), horizontal grain
	Dimensions L x W x H
Elliptical End Panel Compact Pedestal	1500 x 308 x 960mm / 59.1 x 12.1 x 37.8 Inches
Square End Panel Compact Pedestal	1252 x 308 x 960mm / 49.3 x 12.1 x 37.8 Inches
Elliptical End Panel Standard Pedestal	1500 x 372 x 960mm / 59.1 x 14.6 x 37.8 Inches
Square End Panel Standard Pedestal	1252 x 372 x 960mm / 49.3 x 14.6 x 37.8 Inches
Elliptical End Panel Wide Pedestal	1500 x 452 x 960mm / 59.1 x 17.8 x 37.8 Inches
Square End Panel Wide Pedestal	1252 x 452 x 960mm / 49.3 x 17.8 x 37.8 Inches
Pedestal Weight	**Compact** 80kg / 176lbs / **Standard** 110kg / 242lbs / **Wide** 120kg / 264lbs
Lane Width	**Compact Lane** 550mm / 21.7" / **Standard Lane** 660mm / 26.0" / **DDA/ADA Lane** 914mm / 36.0"
Barrier height	928mm / 36.5"
Barrier material	10mm Toughened Safety Glass EN14179 / ANSI 97.1
Barrier breakaway force	≥ 25N
Optional Locking System	Solid lock, no breakaway function
Barrier speed of operation	< 1 second
Infrared optical matrix – pulsed beam paths	32
Infrared wavelength nm	940
Tailgate detection distance	5mm / 1/4"

Pedestrian Access Throughput

Optical system performance	1 person per second
Typical application	40 persons per minute
Card buffering capacity	10 cards max
Turnstile functions	As detailed in the configuration manual

Turnstile Power Specifications

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

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)

Power Supply (Included)

Enclosure	Black mild steel, wall mounted, 330mm (13") x 200mm (8") x 136mm (5.5")
Modules	Dual or quad 24Vdc 2.5A overcurrent fold back
Input voltage	100-240Vac, 60/50Hz, 5A fused spur connection
Approvals	UL 60950-1 CSA C22.2 No. 60950-1-07 second edition

Access Control Inputs

Voltage-free contact;	Entry request (NORMALLY OPEN closing for 1 second)
1mA current sense	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	TCP/IP Port

Access Control Outputs

Voltage-free contact;	Entry monitor (NORMALLY CLOSED opening for 1 second)
Contact Rating 28Vdc 0.5A	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 Output

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

Reliability

In Normal use, 5,000,000 cycles of operation is expected before electro mechanical parts require replacement as part of an approved preventative maintenance programme.

Local Reseller