

Access controlled... Future secured.



# //SlimLane

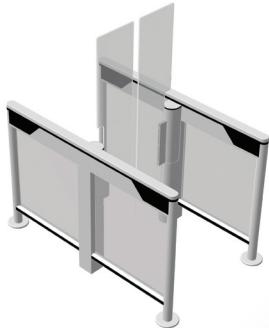
BARRIER OPTICAL TURNSTILES



**AUTOMATIC  
SYSTEMS**  
iER GROUP

# //SlimLane

With an innovative design, SlimLane swing door security entrance lanes combine high throughput with best in class reliability while providing a minimal footprint.



## AESTHETICS

- > Modern and elegant design
- > Minimal footprint for maximum throughput
- > Discreetly and ergonomically integrated card reader
- > Precision controlled tempered glass obstacles
- > Top quality assembly and finish



## SAFETY

- > UL 2593 listed for maximum user safety
- > Dynamic, electronic user protection
- > Prevents finger entrapment and other impacts
- > In the event of a power outage, the obstacles will unlock (swing freely in both directions)
- > EGRESS operating mode meets the highest fire safety standards
- > Low voltage 24 VDC

## THROUGHPUT

- > Fast opening/closing of swing doors (< 1 sec.)
- > Precise pictograms for intuitive use

## RELIABILITY

- > Highly reliable products with 5 Million MCBF
- > Very low cost of ownership
- > 5 year warranty
- > World leader in speed gate market (IMS source)



## SECURITY

- > High-performance detection system (all obstacle heights)
- > Glass obstacles up to 67"
- > Electromagnetic brake to withstand forced entry attempts

# SLIMLANE DESCRIPTION

**1. Handrail frame:** steel beam with RoHS anti-corrosion zinc plating treatment and stainless steel posts. The handrail includes photoelectric cells for user detection and the logic control board.

**2. Self-supporting kinematic steel frame** with RoHS anti-corrosion zinc plating treatment. The frame contains the electromechanical drive assembly for the swinging obstacle and the electronic control boards.

**3. Brushed #4 AISI 304L stainless steel housing.**

**4. Brushed #4 AISI 304L stainless steel panels** fastened to the frame for access to the internal components.

**5. Clear, 3/8 in (10 mm) thick tempered monolithic glass obstacles,** swinging in the direction of user passage.

**6. Clear, 1/4 in (6 mm) thick tempered glass side panels.**

**7. Brushed #4 AISI 304L stainless steel top cover.**

**8. Electromechanical drive unit consisting of:**

- A DC permanent magnet motor with epicyclical gearbox.
- A controller providing progressive accelerations and decelerations of the obstacles, for smooth movement and enhanced user safety.
- A geared electromagnetic brake for locking of obstacles in the event of forced entry attempts.
- A sensor monitoring the obstacle position.
- EGRESS operating mode: obstacles open in the direction of egress by a simple push.

**9. Logic control board,** equipped with ARM 9 technology and the Linux operating system, ensuring advanced traffic management. An embedded Web server, accessible via web browser, offering an interface for the configuration of functional gate parameters, as well as a complete diagnostic and maintenance tool.

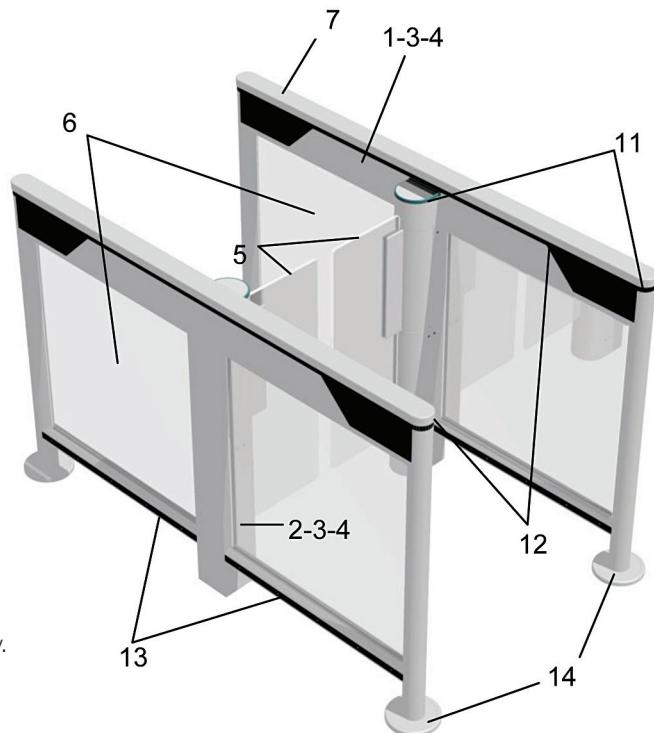
**10. Transfer of information through an Ethernet interface,** USB and dry contacts: passage authorization, passage information, reader locking, fraud, equipment failure...

**11. Orientation and function pictograms** indicating gate and passage status to the user.

**12. Proprietary DIRAS detection system,** consisting of a high-density matrix of infrared transmitter/receiver photocell beams. It follows users' progression through the gate, as well as ensuring their safety during opening/closing of the obstacles.

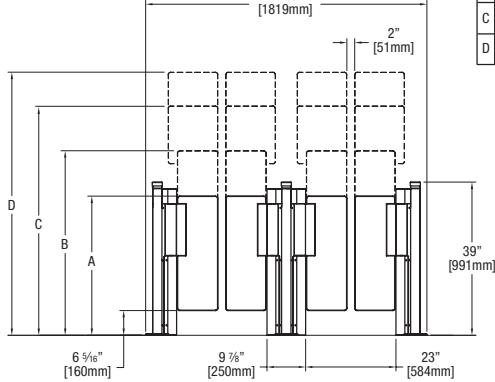
**13. Enhanced electronic protection cells (A and B directions).**

**14. Finishing plate for posts.**



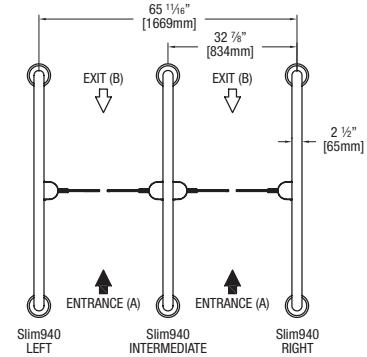
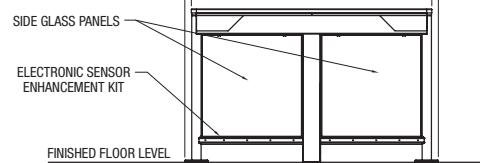
# STANDARD DIMENSIONS

## SLIMLANE 940 / 940 SC

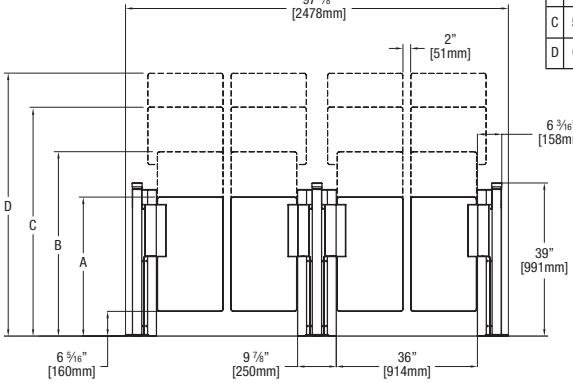


OBSTACLE HEIGHT	
	DIMENSION
A	35 7/16" [900mm] STD
B	47" [1194mm] OPT
C	59" [1499mm] OPT
D	67" [1702mm] OPT

DIMENSION	
STANDARD CABINET	SHORT CABINET
L1	64 7/16" [1640mm]
L2	61 7/16" [1555mm]
	50 7/16" [1275mm]
	46 13/16" [1190mm]

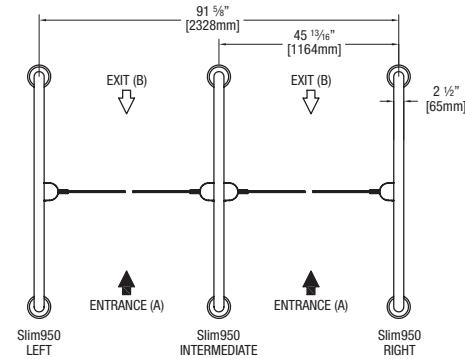
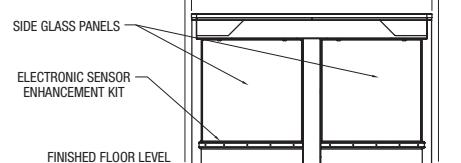


## SLIMLANE 950 / 950 SC

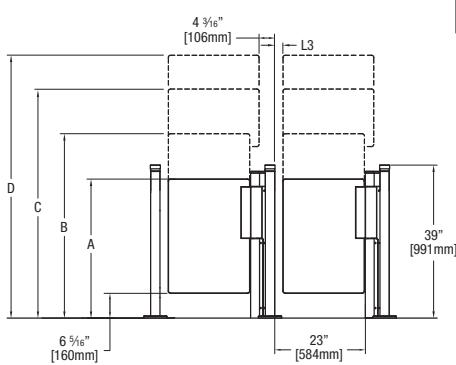


OBSTACLE HEIGHT	
	DIMENSION
A	35 7/16" [900mm] STD
B	47" [1194mm] OPT
C	59" [1499mm] OPT
D	67" [1702mm] OPT

DIMENSION	
STANDARD CABINET	SHORT CABINET
L1	64 7/16" [1640mm]
L2	61 7/16" [1555mm]
	50 7/16" [1275mm]
	46 13/16" [1190mm]

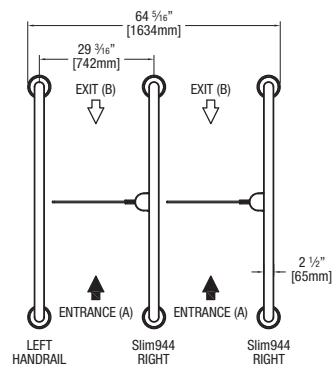
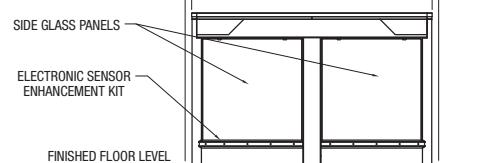


## SLIMLANE 944 / 944 SC



OBSTACLE HEIGHT	
	DIMENSION
A	35 7/16" [900mm] STD
B	47" [1194mm] OPT
C	59" [1499mm] OPT
D	67" [1702mm] OPT

DIMENSION	
STANDARD CABINET	SHORT CABINET
L1	64 7/16" [1640mm]
L2	61 7/16" [1555mm]
L3	2" [51mm]
	5 1/8" [1190mm]



# STANDARD TECHNICAL CHARACTERISTICS

	<b>SlimLane 940/940SC</b>	<b>SlimLane 950/950SC</b>	<b>SlimLane 944/944SC</b>
<b>Power requirement</b>		15A @ 24 VDC 6A @ 120VAC (optional)	
<b>Consumption per lane</b>		300 W (nominal)	120 W (nominal)
<b>Motor</b>	24 VDC – 93 W	24 VDC – 93 W	24 VDC – 93 W
<b>Passageway</b>	23 in (584 mm)	36 in (914 mm)	23 in (584 mm)
<b>Opening and closing times</b>	0.7 to 1.2 s (Depending on the access control system reactivity and glass height)	0.9 s to 1.2s (Depending on the access control system reactivity and the speed of users)	1.0 s to 1.6s (Depending on the access control system reactivity and the speed of users)
<b>Ambient operating T°</b>		32 to 122°F (0 to +50°C)	
<b>Ambient relative humidity in operation</b>		< 95%, no condensation	
<b>Sound level</b>		55 dB	
<b>Weight</b>	Std end unit: 192 lbs (87 kg) SC end unit: 172 lbs (78 kg) Std intermediate unit: 265 lbs (120 kg) SC intermediate unit: 245 lbs (111 kg)		Kinematic unit: 154 lbs (70 kg) Handrail: 88lbs (40 kg)
<b>IP</b>		40	
<b>Certification</b>	 As per UL 2593, File E197818		

## WORK NOT INCLUDED

- > Electrical interconnection and connections to the power grid
- > Connections to access control systems
- > Anchoring the equipment with the appropriate hardware for your floor type

All work should be performed as per the implementation and interconnection diagrams provided.

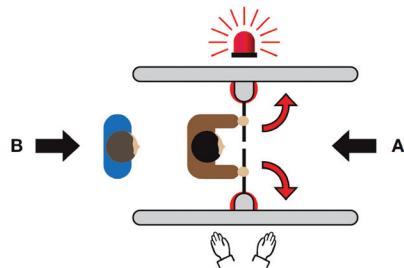
## PRECAUTIONS FOR USE

- > For security reasons, children (users less than 1 m tall) must be supervised by an adult at all times when in the vicinity of the unit and during passage through the lane.
- > A child must absolutely precede the accompanying adult when lane passage is required.
- > If habitual use by children is anticipated, please ensure that the units include the glass side panels + the electronic sensor enhancement kit.

# EMERGENCY OPERATING MODE

## EGRESS mode compliant with the highest fire safety standards

- > In case of emergency, the obstacles can be unlocked with a simple push to automatically open in the direction of egress (direction B)
- > Audio and visual alarms signal evacuation in progress
- > Returns to prior operating mode (programmable timer)
- > Obstacles remain locked in direction A



# OPTIONS

1. 120VAC
2. High glass option: 47", 59" and 67" available
3. Battery backup for automatic opening in case of power failure
4. Standard reader integration inside the unit
5. Standard support bracket for external reader integration.
6. Barcode reader integration
7. Reader post
8. Black handrail cover
9. Customized logo on obstacle
10. Fixing frame embedded in the concrete, to fix the equipment and pass the electric cables
11. Ramp
12. Monitoring panel
13. Connectivity kit for Ethernet connection of one or more lanes to the network
14. Short cabinet (new dimensions for smaller footprint)

Note: For restrictions on options, refer to the price list.

# SMART N' SLIM

A true control center, the Smart n' Slim Monitoring Panel manages multiple Security Entrance Lanes, regardless of where the units are located. The Smart n' Slim Monitoring panel is a flexible command center and allows for visualization, control, and consultation.

The Smart n' Slim is available in a TOWER style version and a RACK mount version offering an ideal solution to access the man-machine interface via an existing work station, or simply by connecting the server to a screen and mouse/keyboard. This server can be installed at the guard desk or in a secured closet (preferred location).

Smart n' Slim 20" TOUCHSCREEN



## PROJECTS





# //SlimLane

## WHAT ARE THE BENEFITS?

- > Automation of pedestrian access control
- > Restricts access to secured zones
- > Employee and visitor entry/exit tracking
- > Reduced need for manned entrance
- > Meets highest safety standards

## MARKETS

- > Banks & Insurance Companies
- > Government buildings & institutions
- > Office buildings and corporate headquarters
- > Schools, universities, colleges
- > Health institutions

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