

Nergal-S4000 Series

Sliding Gate Barrier



The Nergal-S4000 series from Armatura is a premium line of sliding gate barriers that combines advanced security features, modern aesthetics, and exceptional functionality. Designed for high-traffic environments such as commercial office buildings, airport boarding gates, and other premium facilities, this series delivers unparalleled reliability and adaptability. The Nergal-S4000 series is available in two versions to meet different deployment needs: the Nergal-S4000, a single-lane version ideal for standard access control setups, and the Nergal-S4200, a dual-lane version designed to provide greater throughput in high-traffic areas. A standout feature of this series is its ability to support barrier leaves up to 48.82 inches (1240 mm) in height, making it a robust and versatile solution for modern entrance control.

Product Overview

Barrier Movement Type:

Retractable sliding gates with precision control.

Barrier Material:

10 mm thick acrylic panels for enhanced durability and safety.

Barrier Leaf Height:

Supports barrier leaf height up to 48.82" (1240mm).

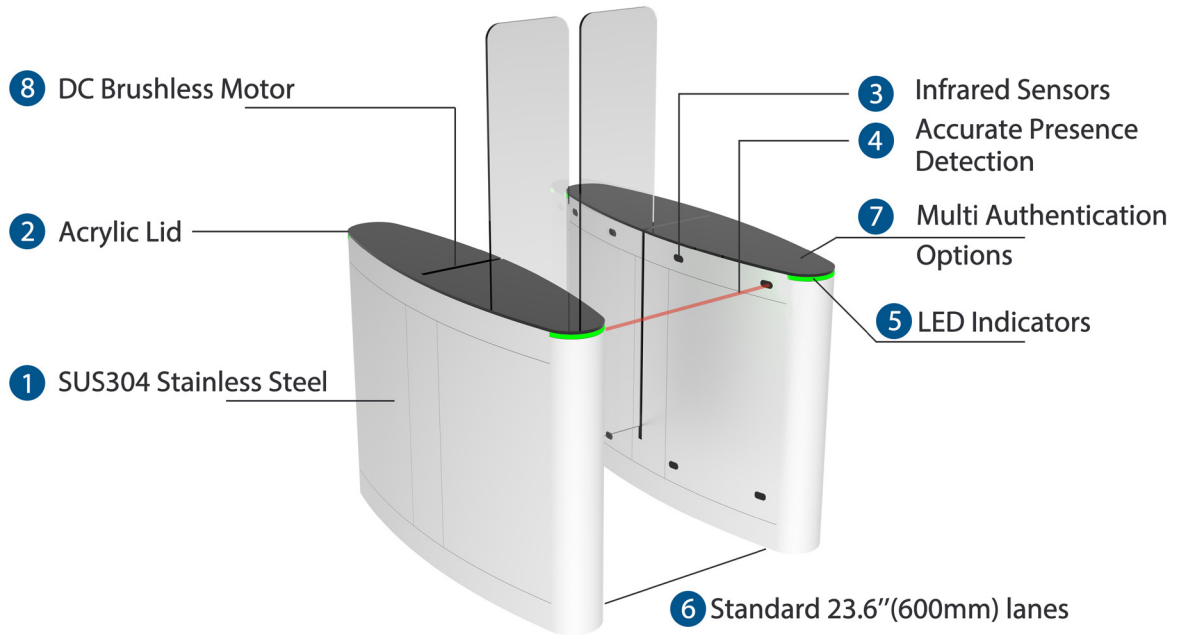
Cabinet Material:

SUS304 stainless steel.

MCBF:

5 million cycles, ensuring long-term durability under high usage.

Key Features



Innovative Architecture



High-Grade Materials:
SUS304 stainless steel with optional SUS316 for good corrosion resistance in high-humidity environments.

Acrylic Lid:
Minimalist design with durable acrylic for a seamless appearance.

Advanced Detection

Infrared Sensors:
Dual array of 8 infrared sensor pairs for precise detection of tailgating, intrusion, and wrong-way entry.

Accurate Presence Detection:
Infrared emitter / receiver sensor technology ensures accurate detection to protect users and prevent accidents.



User-Friendly Operation



LED Indicators:
Green: Indicates passage is allowed.
Red: Indicates access is denied or alarm status.
Blue: "Breathing" standby light for aesthetic appeal.

Multiple Authentication Options



Credential Options:

Under Mount Readers: NFC, QR Code, Bluetooth (BLE).

Optional Integration: Compatible with external facial authentication systems for enhanced security.

Multi-Factor Authentication: Supports combinations of NFC, QR Code, and Bluetooth for high-security facilities.

Performance & Durability

Motor: DC brushless motor ensures quiet and smooth operation.

Noise Level: Less than 60 dB for a quiet user experience.

Power Requirements: 100-240 VAC, 50/60 Hz, 300 VA.

Integration Capabilities

The Nergal-S4000 is designed to seamlessly integrate with Armatura's Armatura One Security Platform, allowing centralized management of access control, monitoring, and reporting.

Supported Technologies

NFC, QR Code, and Bluetooth (BLE): Built-in support for modern credentials.



Safety Features

- **Anti-Clamping Technology:**
 - Infrared detection prevents collisions by detecting objects or individuals in the barrier's path.
 - Mechanical detection stops movement if the barrier encounters resistance.
 - Electric current monitoring ensures safe force application during operation.
- **Emergency Functionality:**
 - Auto-retraction of barriers during power failure or fire alarm activation.
 - Anti-panic functionality allows manual push-open in emergencies.

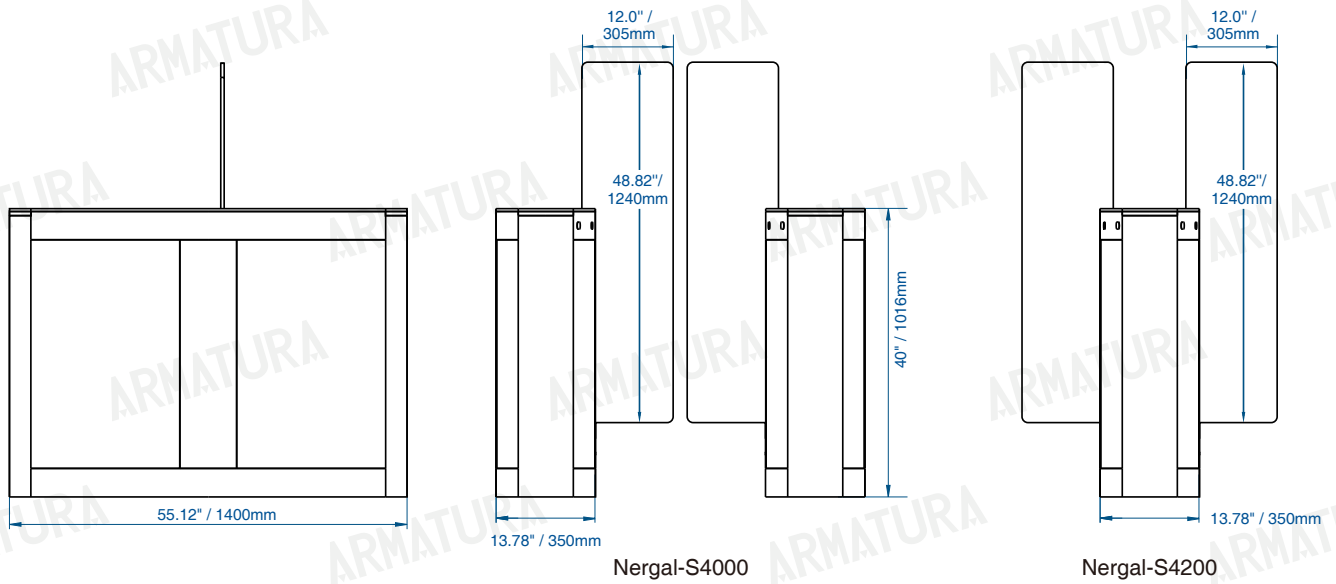
User Guidance

- **Illuminated Indicators:**
 - Direction and passage status lighting (green for open, red for blocked).
 - Flowing blue lights for an intuitive experience.

Options and Customization

- **Authentication Methods:**
 - RFID, QR Code, Fingerprint, Palm or Facial Recognition.
 - Multi-factor authentication options are available.

Dimension

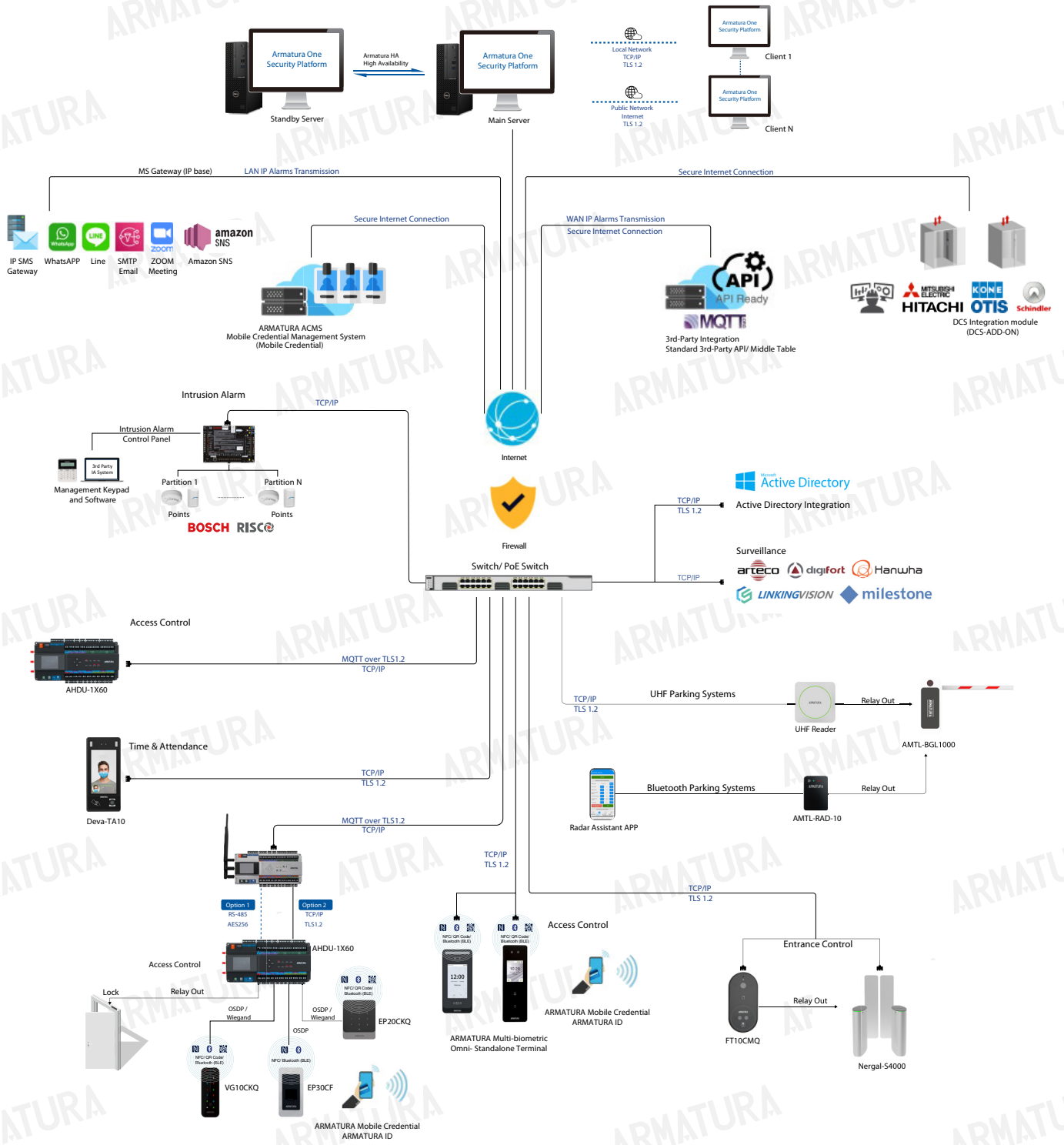


Specifications

Model	Nergal-S4000	Nergal-S4200
Audio Indicator	Internal Buzzer	
Visual Indicator	LED Visual Indicators Blue (Static Light): Standby Green (Static Light): Door Opening Red (Flashing Light): Alarm	
Display	Optional (Available with integrated facial authentication systems)	
Lane Type	Single Lane	Dual Wings (for additional lane)
Lane Width	23.6" (600 mm) (Standard), Barrier Leaf Size (12.0"(305mm) * 48.8" (1240mm))	
Barrier Movement Type	Retractable Sliding Gates	
Motor	DC Brushless Motor	
Movement Speed	0.8 seconds per movement (open / close timing, depending on leaf size)	
Clutch	Mechanical clutch for anti-clamping / anti-collision	
Barrier Material	0.4"(10 mm) thick Acrylic (standard)	
Cabinet Material	SUS304 Stainless Steel (optional SUS316 for corrosion resistance)	
Lid Material	Durable Acrylic (standard)	
IR Sensors	8 pairs	
Motherboard Function	System configuration, anti-clamping, anti-tailgating, pass memory, safety logic, and more	
Motherboard Communication	Fire alarm port (Relay)1, RS485 port1	
Controller	Standard Turnstile Controller (Standard) Armatura Controller: AHDU-1260/ AHDU-1460 (Optional)	
Credential Options	Under mount RFID & QR code reader options: (support model: Armatura EP10C & Armatura EP20 Series & Armatura VG10CKQ Series); Under mount fingerprint reader: Armatura EP30CF Series; Under mount facial authentication terminal: coming soon; Under mount palm authentication terminal: coming soon; Top mount facial authentication terminal: OmniAC20 / OmniAC30/ FT10CMQ	
Flow Rate	RFID: 30 passengers per minute; QR Code: 30 passengers per minute; Fingerprint: 20passengers per minute; Face: 15 passengers per minute; Palm: 15 passengers per minute	
Accessibility	standard 23.6" (600mm) lane for pedestrians	

Power Supply	100-240 VAC, 50/60 Hz	
Power Rating	40 VA (Standby), 300 VA (Operation)	
Fire Signal	Input for voltage-free contact	
Noise Level	Less than 60 dB	
MTTR	Less than 60 minutes	
MCBF	5 million cycles	
Weight	Gross Weight: 220.4Lbs (100 kg) Net Weight: 176.4Lbs (80 kg)	Gross Weight: 176.4Lbs (80 kg) Net Weight: 143.3Lbs (65 kg)
Dimension (LxWxH)	55.12"×13.78"×40" (1400 × 350 × 1016 mm) (2 boxes)	55.12" × 13.78" × 40" (1400 × 350 × 1016 mm) (1 box)
Dimensions with Packing	59.06"×14.57"×47.24" (1500 × 370 × 1200 mm) (2 boxes)	59.06"×14.57"×47.24" (1500 × 370 × 1200 mm) (1 box)
Operating Temperature	5°F to 140°F/ -15°C to 60°C	
Operating Humidity	20% to 95% RH (non-condensing)	
Certifications	CE, FCC coming soon	
Ingress Protection Rating	N/A (For indoor use only, vandal-resistant)	
Supported Software	Armatura One	
Safety Features	Infrared Anti-Clamping, Power-Off Fail-Safe, Emergency Escape Function, Overforce Feedback Control, Safety Force Sensing, Accurate Presence Sensing	
Security Features	Anti-Tailgating, Anti-Intrusion, Wrong Way Entry Alarm, Auto-Close Mechanism	
Product Delivery	Pre-assembled for easy installation	
Application Environment	Indoor	
Site Preparation	Flat and level finished floor (base plate optional for unfinished floor)	
Security Level	Middle	
Emergency Mode	Door unlocks automatically during emergencies	
Packing Material	Wooden Box	

Configuration



ARMATURA

Address: 190 Bluegrass Valley Parkway Alpharetta, GA 30005

Phone: +1-650-4556863

Email: sales@armatura.us

Website: www.armatura.us

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