



SIO-300-ASL

IP66/IP69K Stainless Steel Industrial Panel PC

POWER-EFFICIENT HMI SOLUTION FOR
HYGIENIC INDUSTRIAL ENVIRONMENTS



WASHDOWN STAINLESS STEEL PANEL PC

Premio delivers a stainless steel panel PC engineered for hygienic environments, combining high-performance HMI computing with durable, sealed construction.



Industrial
Longevity



Hygienic, Sealed
Design



High-Performance
Computing



Flexible Industrial
Integration



IP66/IP69K Stainless Steel Industrial Panel PC

The SIO-300-ASL Series is powered by the Intel Atom® x7000 Series processor, built on Intel 7 process technology and Gracemont architecture for long-life industrial deployments. Designed to balance processing capability and power efficiency, the platform delivers reliable computing performance for modern industrial HMI and edge control applications while maintaining low thermal output – ideal for fanless, sealed stainless steel systems.

With an efficiency-focused core architecture and DDR5 memory support, the system provides stable performance and improved data throughput for visualization, automation, and control tasks. Engineered for extended product lifecycle support and continuous operation, the SIO-300-ASL is well suited for always-on industrial HMI applications in hygienic environments where reliability, stability, and energy efficiency are critical. The series also supports the Intel® Processor N97 as an alternative configuration for deployments requiring additional flexibility.

Key Features

- Powered by Intel Atom® x7000 Series Processors
- Fanless stainless steel SUS316 enclosure
- Full system IP66 / IP69K washdown protection
- DDR5 memory support up to 32GB
- 2x 2.5GbE LAN with M12 connectors
- M.2 expansion with 5G-ready cellular support
- Optical bonding with 7H scratch-resistant touch glass
- Wide input AC power (110–240V)



Agricultural Process Visualization



Mining Equipment Supervision



Livestock Facility Automation



Food & Beverage Production Lines



Pharmaceutical Manufacturing Operations



Cleanroom Environmental Oversight

Intel Atom® x7000 Series Processor

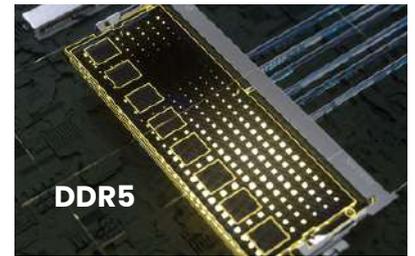
The Intel Atom® x7000 Series delivers efficient multi-threaded performance for industrial HMI, visualization, and control applications. Designed for continuous industrial operation, it balances processing capability and power efficiency, making it well suited for fanless stainless steel systems deployed in hygienic environments.

Key Features

- Intel Atom® x7000 Processor (Intel 7, Gracemont Architecture)
- Low-power design for continuous industrial operation
- Up to 10-year long-life availability
- DDR5 memory support



Intel Atom® x7000 Series



Full IP66/IP69K Protection



Reinforced for Aggressive Washdowns

Fully IP66/IP69K rated, the design protects against dust ingress and aggressive washdowns. IP66 resists strong water jets and airborne particulates, while IP69K withstands close-range, high-pressure, high-temperature water or steam jets up to 80°C (176°F) at 100 bar (1450 PSI), supporting reliable operation and hygiene compliance in sanitation-critical environments such as food and beverage processing.

Scalable Storage Expansion

Supports M.2 B-key NVMe/SATA SSD storage for primary operation. In addition, the 21.5" and 23.8" models provide an optional 2.5-inch SATA SSD bracket to support secondary storage, enabling local data logging and industrial application storage.

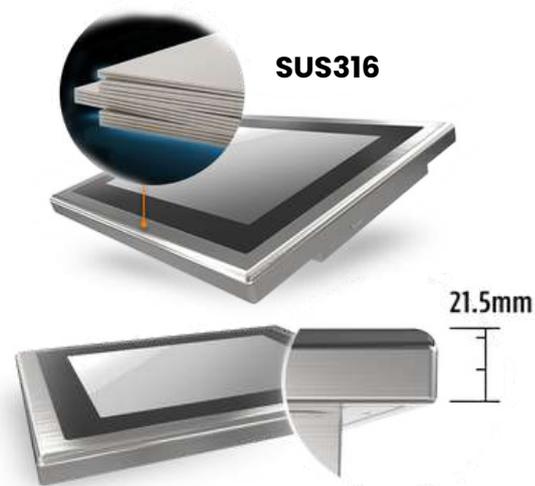




Stainless Steel Construction for Industrial Durability

The stainless steel enclosure provides structural durability and corrosion resistance suited for harsh industrial and hygienic environments. Constructed from SUS316 (Type 316) stainless steel, it delivers long-term reliability and durability for the SIO Series.

- **Corrosion Resistance:** Staving off the destructive effects of many corrosive substances.
- **Lightweight Strength:** Ideal strength-to-weight balance, forgoing unnecessary material heft.
- **Wide Temperature Threshold:** Extreme heat and cold do not diminish the stainless steel's formidable strength.
- **Hygienic Simplicity:** Low-maintenance, nonabsorbent and withstands intense cleaning.
- **Sleek Presentation:** Adds modern sophistication and a smart appearance to Smart industrial systems.



No optical bonding

Optical bonding



Optical Bonding for Clear Visibility

Optical bonding eliminates the air gap between the LCD and touch panel, significantly reducing reflections to improve display clarity while preventing condensation in humid or washdown environments.

Resilient, Responsive Touch Technologies

Single-touch resistive and multi-touch PCAP touchscreens support precise, gloved operation for industrial environments, with 7H hardened glass for PCAP touch and 3H hardened glass for resistive touch, providing scratch resistance. Optional high-brightness displays improve visibility in bright conditions.





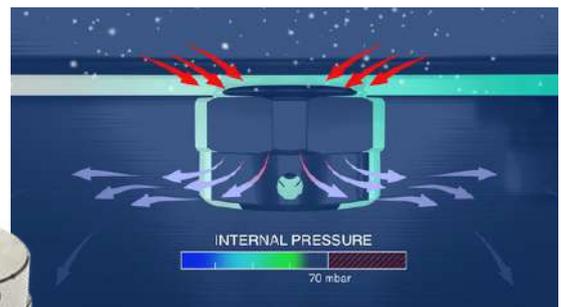
Scalable M.2 Expansion for Wireless Connectivity

The SIO-300-ASL Series supports cellular connectivity via an M.2 B-key expansion slot on the 21.5" and 23.8" models, enabling 4G LTE or 5G integration, and also supports Wi-Fi 6E for high-speed wireless networking.



Waterproof M12 Connectors, Straight AC-in Power, and Pressure Valve

The SIO-300-ASL Series uses industrial-grade M12 connectors to provide secure, sealed power and I/O connections during washdown operations, while an integrated stainless steel pressure valve equalizes internal pressure to reduce condensation and maintain enclosure integrity.



Direct AC power input

Direct 110–240V AC power input simplifies installation in in-line factory systems while preserving a sealed, industrial-grade design for hygienic environments.

Sustained Operation During Washdowns

Native touchscreen enable/disable controls prevent accidental touch activation during washdowns while supporting continuous operation in hygienic industrial environments.



We Design,
Manufacture, and
Service Customers
Around the World



SIO-300-ASL Series Washdown Stainless Steel Panel PC.



Model	SIO-315-ASL	SIO-W315-ASL	SIO-W321-ASL	SIO-W324-ASL
LCD Size / Aspect	15.0" (4:3)	15.6" (16:9)	21.5" (16:9)	23.8" (16:9)
Dimensions (WxHxD)	385 × 310 × 49.5 mm	425 × 276 × 49.5 mm	588.5 × 380 × 52.8 mm	623 × 417 × 54 mm
Touch Technology	Projected Capacitive (2-point, glove mode)			
Rugged Protection	Full System IP66 / IP69K , 7H Glass Hardness, IK07 Impact Protection			
CPU	Intel® Processor N97 (4 cores, up to 3.60 GHz, 12W)/ Intel Atom® x7835RE Processor (8 cores, up to 3.60 GHz, 12W)			
Memory	1× DDR5 4800/5600 MT/s SO-DIMM, up to 32 GB			
Storage	1× M.2 B-Key 2242 (NVMe / SATA)		1x M.2 B key 2242/3042 NVMe/SATA (optional 4G/5G) 1x 2.5" SATA SSD (optional)	
Expansion	M.2 E-Key (optional Wi-Fi 6E)		M.2 E-Key + M.2 B-Key (optional 4G/5G cellular)	
I/O Ports	2x 2.5GbE LAN (M12 X-Code), 2x COM Ports (RS-232/422/485, M12 A-Code), 1x M12 A-Code (2x USB 2.0), Power On/Off			
Wireless Antenna	Up to 2 external antennas		Up to 4 external antennas	
Power Input	110–240 V AC, M12 S-Code			
Operating Temp.	-10 °C to 50 °C			
Construction	SUS316 Stainless Steel, Optical Bonding			
Certifications	CE, FCC Class A			
Mounting Options	VESA 100×100 / 200×100, Yoke (opt.)			