

PANEL PC SERIES

INDUSTRIAL TOUCHSCREEN PANEL PCS



IP-RATED TOUCHSCREEN COMPUTERS FOR HMI INTEGRATION

Ruggedized Industrial Touch Panel PCs and Monitors are engineered to seamlessly integrate into your OEM solutions, delivering interactive HMI displays built for the toughest Industry 4.0 and edge computing environments. Perfect for mission-critical deployments, these devices ensure reliability and performance where it matters most.



Fanless
Design



PCAP/Resistive
Touch



IP Rated



Optical
Bonding



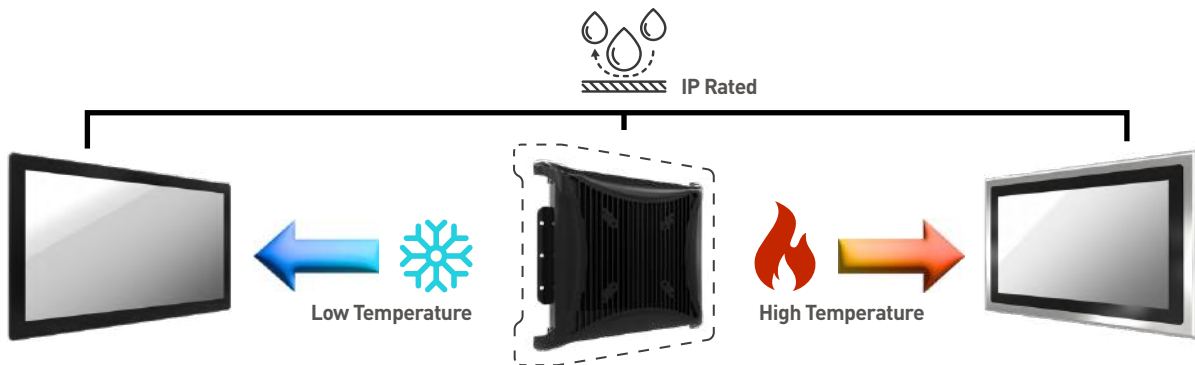
Flexible
& Scalable



IP Rated Ruggedization

Premio's touch panel PCs are engineered to meet rigorous industrial standards, with all models being IP rated to ensure exceptional durability and protection. With a wide range of panels with different IP ratings, this ruggedization feature guarantees that Premio's touch panel PCs can withstand the challenges of any harsh environments.

- Ingress Protection Ratings
- Superior Protection Against Harsh Environments
- Rugged Enhanced Durability
- Reliable Performance Operation



Low-Power Embedded Processors

Industrial panel PCs leverage the latest advancements in x86 silicon from Intel and deliver credible processing power to analyze data and run intelligent workloads. Our computing designs consider a balance of performance and power-efficiency in the most mission-critical HMI deployments. Specific processors in low TDP options enable a balance between performance, power efficiency and long-term reliability.

- Multi-Core Semiconductor performance
- Reliably Optimized Processing
- Efficient Performance
- Low Power Consumption



Key Industries Leveraging Industrial Panel PCs



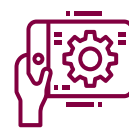
Industrial & Factory
Automation



Manufacturing
Applications



Retail & PoS Systems



Industrial Control
Systems



Pharmaceutical &
Medical Rooms



SIO Series

IP66/IP69K Washdown Touchscreen Computer

The enhanced SIO Washdown Touchscreen Computer is designed to deliver high-performance control interface and automation into cleanrooms and environments requiring unquestionable hygiene. Designed fanless, strong and tightly sealed to sustain punishing temperatures, harsh impacts, caustic contact and intense equipment washdowns.

Key Features :

- Rigid Stainless-Steel SUS316 Enclosure
- Full System IP66/IP69K Rated
- Low-Power Efficient Processing
- World Class Safety Certifications

Super Rugged Durability :

- Automatic Pressure Valve
- Optical Bonding Enhancement
- Locking M12 I/O Connectors



VIO Series

Modular IP65 Industrial Touchscreen Computer & Monitor

The VIO Series modular touch display systems delivers an industrial-grade IP65 display solution designed specifically for HMI automation, information and communication applications. Its unique modular design makes the display system more flexible and versatile by providing a unique solution for both an industrial panel pc and a touch monitor.

Key Features :

- Modular Design for Computer or Touch monitor
- Wide Processing Modules
- Fanless & Cableless
- World Class Safety Certifications

Rugged Durability :

- Front Panel IP65 Rated
- Optical Bonding Enhancement Option
- 9-50VDC with Power Protection (OCP, OVP, RPP)





AIO Series

All In One Industrial Touchscreen Computer

Designed to meet the complex connectivity needs of Human Machine Interface applications with a simple all in one solution. The AIO Panel PC is designed to deliver efficient HMI computing for a wide range of industrial applications in an all-in-one solution design.

Key Features :

- Scalable Screen Sizes
- High Efficient Computing
- 10-Point PCAP Touch

Semi-Rugged Durability :

- Front Panel IP65 Rating
- Scratch Resistant 7H Glass Hardness
- -10°C to 50°C Operating Temp.
- MIL-STD-810G Method 516.7 Procedure



HIO Series

Open Frame Industrial Touchscreen Computer

Designed to meet the complex connectivity needs of Human Machine Interface applications with an open frame design for seamless application integration. The HIO Panel PC is designed to deliver versatile connectivity and efficient computing for a wide range of industrial applications all with an open frame design.

Key Features :

- Scalable Screen Sizes
- Industrial Open Frame Design
- 10-Point PCAP Touch
- High Efficient Computing

Semi-Rugged Durability :

- Front Panel IP65 Rated
- Scratch Resistant 7H Glass Hardness
- -10°C to 50°C Operating Temp.
- MIL-STD-810G Method 516.7 Procedure



WE DESIGN,
MANUFACTURE, AND
SERVICE CUSTOMERS
AROUND THE WORLD



PANEL PC SERIES



SIO Series



VIO Series



AIO Series



HIO Series

	Stainless Steel SIO Series	Rugged Modular VIO Series	All In One AIO Series	Open Frame HIO Series
Ruggedness	Super-Rugged	Rugged	Semi-Rugged	Durable
IP Rating	Full IP66/69K Rated	Front IP65 Rated	Front IP65 Rated	Front IP65 Rated
Design	Rugged Stainless Steel Design	Modular Flexible Design	All In One Simple Design	Industrial Open Frame Design
Screen Size Range	12.1" to 23.8"	12.1" to 23.8"	10.1" - 15.6" - 21.5"	10.1" - 15.6" - 21.5"
Touch Options	PCAP	PCAP and Resistive	PCAP	PCAP
Optical Bonding Enhancement	Standard	Optional	-	-
Mounting Options	VESA Mount Yoke Mount Panel Mount	VESA Mount Panel Mount	VESA Mount Panel Mount	Open Frame Mount Wall Mount (optional)
Processor	<ul style="list-style-type: none"> Intel® Celeron® Processor Intel® Core™ i5-8365ue Processor 	<ul style="list-style-type: none"> Intel® Celeron® Processor 7th Gen Intel® Core™ Processor 	<ul style="list-style-type: none"> 12th Gen Intel® Alder Lake-N Processor 	<ul style="list-style-type: none"> 12th Gen Intel® Alder Lake-N Processor
Wireless Connectivity	<ul style="list-style-type: none"> Wi-Fi, Bluetooth Cellular Connectivity 	<ul style="list-style-type: none"> Wi-Fi, Bluetooth Cellular 5G Connectivity 	<ul style="list-style-type: none"> Wi-Fi, Bluetooth Cellular 5G Connectivity (AIO-200-ADL-3L) 	<ul style="list-style-type: none"> Wi-Fi, Bluetooth
Shock & Vibration	20G & 2.4Grms	20G & 1.5Grms	50G & 5Grms MIL-STD-810G Method 516.7 Procedure	50G & 5Grms MIL-STD-810G Method 516.7 Procedure
Certifications	CE, FCC, UL listed	CE, FCC, UL listed	CE, FCC, UL listed	CE, FCC