VIO SERIES

INDUSTRIAL PANEL PCS AND TOUCH MONITORS

INTERACTIVE, MODULAR, AND ROBUST SOLUTIONS FOR HUMAN MACHINE INTERFACE (HMI) DEPLOYMENTS!

VIO Series Rugged IP65 Industrial Touch Panel PC & Monitor

Premio delivers a modular, flexible, and versatile touch panel PC monitor with exclusive features, the VIO-200 series.

Easy Installation & Maintenance

Long-Term Reliability

Zero Downtime and Upgrades

Less Application Development and Validation Time

VIO Series Rugged IP65 Industrial Touch Panel PC & Monitor

Premio delivers a modular, flexible, and versatile touch panel PC monitor with exclusive features, the VIO-200 series.

The rugged IP65 industrial VIO-200 touch display PC is patented and reliably designed specifically for HMI automation, information and communication applications. The innovative 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. With robust hardware engineering and tested rugged features, our industrial touch display can easily withstand a wide range of extreme environmental challenges.

The VIO's industrial touch display line delivers a professional IP65 display solution with screen sizes ranging from 12.1" to 23.8" in both widescreen (16:9) and standard (4:3) aspect ratio. In addition, our industrial displays support the most common touch technologies including Projected Capacitive (PCAP) and Resistive.

Easy Installation & Maintenance

Reliable Computing

Less Application Development & Validation Time

Easy Customization

Zero Downtime and Upgrades

Efficient Performance

Industrial Applications

Smart Agriculture

Railway Signal & Control

Factory Automation
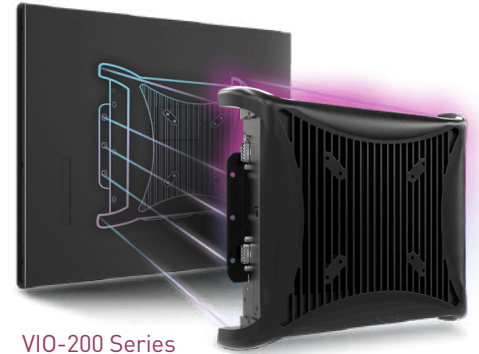
Food & Beverage

Airport Control Towers

Kiosk & Retail

PC100-EHL Module

The IP65 Industrial VIO Series now includes the Intel® Celeron® Processor J6413 using the new PC100-EHL module. The Intel® Celeron® Processor is designed to deliver seamless multitasking and smooth computing on the VIO-200 Series. The J6413's reliability ensures the speed and responsiveness needed for the VIO's versatile applications in industries such as smart agriculture and factory automation.

The PC100-EHL module is optimally designed for industrial applications with the IP65 Rugged VIO-200 Series for several reasons:

- Efficient Multitasking: The quad-core design enables the VIO to handle multiple processes simultaneously without performance bottlenecks.
- Responsive Touch Experience: The processor's capabilities contribute to smooth and responsive touch experience.
- Balanced Performance: The processor offers balanced performance, making it suitable for wide temperature environments.
- Energy Efficiency: The Celeron is known for its efficiency, which is beneficial for the VIO-200 touch panel PC.
- Expansion Capability: The module is designed to support a PCIe x4 Lane expansion and a Universal I/O to maximize additional I/O.

VIO-200 Series

PC100-EHL Series

High-Speed I/O with 2.5 GbE and USB 3.2 Gen 2 (10Gbps)

Scalable I/O Bracket

Up to 6x RS 232/422/485

M.2 Expansion for Storage and High-Speed Wireless Connectivity

Using the new PC100-EHL with the IP65 VIO-200 Series allows the VIO touch panel pc to have on-board M.2 E key and B key. Having an on-board M.2 B key allows the PC100-EHL to support additional SSD storage or 5G cellular with two SIM card slots. Additionally, the M.2 E key supports wireless communication modules such as Wi-Fi and Bluetooth to further enhance the Panel PC's wireless connectivity.

Removable SATA HDD

The M.2 B key on PC100-EHL allows the VIO-200 to feature SATA-based storage devices, that allows for enhancing connectivity and flexibility options for users. The new PC100-EHL also features a removable SATA HDD (Hard Disk Drive) for convenience and flexibility for data storage and transfer. Users can easily swap out the HDD from the back of the VI0 panel without having to dismount or remove the panel. This flexibility allows for data motility and allows for convenient backup solutions on the IP65 rugged VIO touch panel PC.
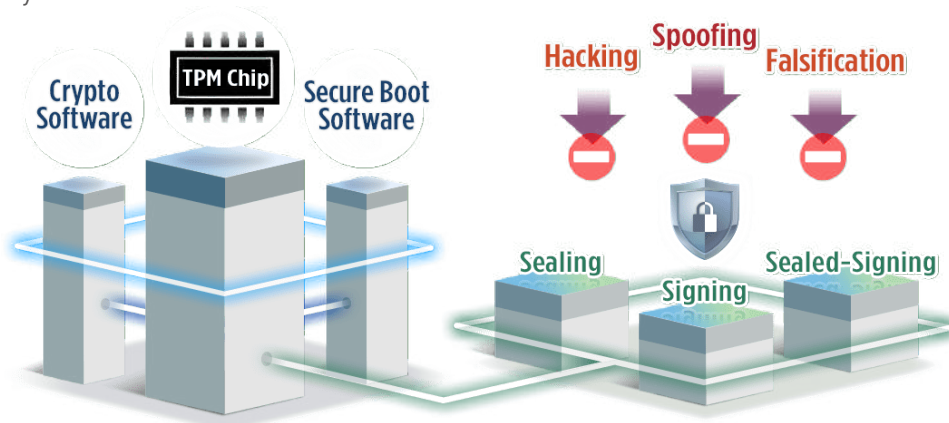
2.5" 7mm SATA SSD

Hot-Swappable Storage

Triple Display Support

The PC100-EHL allows the VIO-200 to also have triple display support. Triple display support makes the VIO-200 extremely versatile and enhances its productivity and efficiency in industrial settings. This feature allows operators to simultaneously view and interact with multiple applications or processes on separate screens, providing a comprehensive overview of critical information such as process control, monitoring complex machinery, or managing multiple tasks simultaneously.

Data Security with TPM

The PC100-EHL module comes standard with TPM 2.0, allowing for hardware-based security. This additional level of data security deters malicious attacks, such as unauthorized firmware and software modifications, and upgrades overall system security.

CALIFORNIA(HQ)
ILLINOIS
GERMANY
TAIWAN
MALAYSIA

NEW

VIO-200-PC100-EHL SERIES

Touchscreen Computer With Intel® Celeron® J6413

intel Elkhart Lake

UL CERTIFIED SAFETY US.CA E357184

Model	VIO-200-PC100-EHL	VIO-200-PC100-EHL-1E
Processor	Intel® Celeron® J6413 Processor Quad core (1.5M Cache,1.8GHz up to 3.00 GHz)	
Memory	1x 260-Pin DDR4 2400/2667/3200MT/s SODIMM. Max. up to 32 GB	
Graphic Output	1x DisplayPort 1.2 1x HDMI 2.0b (Optional), 1xDual Channel 24 bit LVDS	
LAN	2x RJ45 (1 & 2.5 GbE)	
I/O	2x USB 3.2 Gen 2, 2x USB 2.0 6x RS-232/422/485 (2x internal) 16x isolated digital I/O 1x Mic-in, 1x Line-out	
Storage	1x Removable 2.5" SATA HDD Bay 1x mSATA 2x External SIM socket	
M.2	1x M.2 (E Key, PCIe x1, USB 2.0, 2230) 1x M.2 (B Key, PCIex 2 + USB 3.2 Gen1, 2242/3042/3052)	
Internal Expansion Slot	1x Full-size Mini PCIe (USB 2.0, SATA)	
PCIe		1x PCIe x4 (1-lanes)
Power	9-36 VDC, AT/ATX Select, 3-pin Terminal Block	
Operating Temperature	-10 °C to 60 °C -10 °C to 50 °C (19" and 23.8" Panel PC only)	
LCD Size	4:3 12.1" / 15" / 17" / 19" 16:9 15.6" / 21.5" / 23.8"	
Touch Type	Resistive 5-wire Touch / Projected Capacitive Touch	
Universal Expansion Slot	0	1x Universal I/O Bracket (By mini PCIe interface)
Certification	UL 62368 Ed. 3, CE, FCC Class A	
Other	4x WiFi Antenna Holes	