



AIO_{SERIES}

INDUSTRIAL TOUCHSCREEN COMPUTER

COMPACT, INTERACTIVE, AND DURABLE
SIMPLE APPLICATION SOLUTION FOR HUMAN
MACHINE INTERFACE (HMI) DEPLOYMENTS



AIO SERIES ALL IN ONE INDUSTRIAL TOUCHSCREEN COMPUTER

Premio delivers a streamlined all in one touchscreen computer with reliable, versatile, and efficient features.



All In One Integrated
System



Zero Downtime &
Upgrades



Efficient Compute
Performance



Seamless Application
Integration



All In One Advanced Design

Premio's AIO Series provides a selection of All In One Touchscreen Computers ranging from 10.1" to 21.5" for simple, reliable, and seamless HMI deployment. With clear and durable displays, the AIO Series features front-panel IP65 protection and 7H scratch-resistant touchscreens, powered by Intel® N Series and Atom® x7000RE processors.

AIO All In One Touchscreen Computer Features:

- Simplistic All In One Reliable Design
- Intel® N Series and Atom® x7000RE processors
- DDR5 4800 MT/s up to 16GB
- M.2 capability for storage expansion & wireless communication
- Triple independent displays up to 4K
- Front-panel IP65 protection
- CE, FCC, CB, UL, UKCA, IC



AIO-200-ASL-2L Series



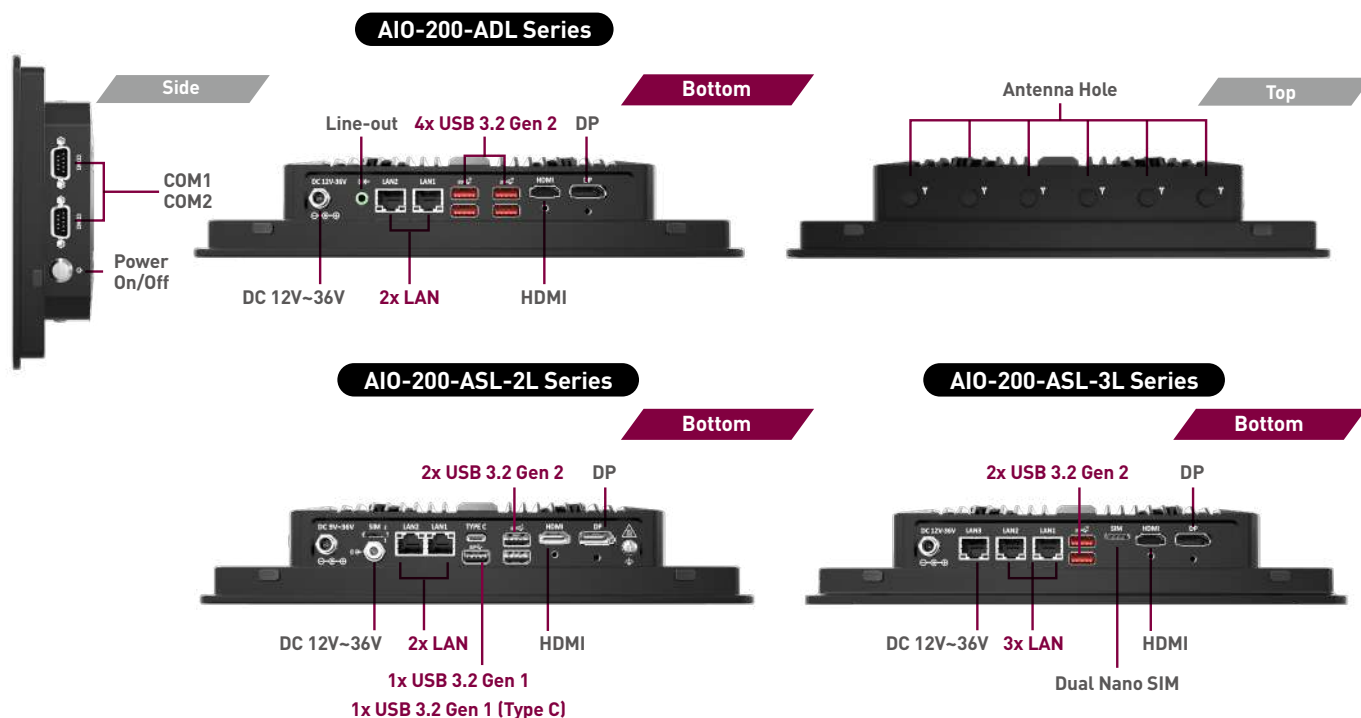
AIO-200-ASL-3L Series

Versatile Connectivity with Diverse I/O Modules

Designed to meet the complex connectivity needs of Human Machine Interface applications.

The AIO All In One Touchscreen Computer features a comprehensive range of I/O connectivity to ensure comprehensive communication with various devices and peripherals. The key I/O modules include:

- Up to 3x 2.5GbE LAN
- Up to 4x USB 3.2 ports
- 2x COM Ports
- Up to 6x dipole antennas (optional)



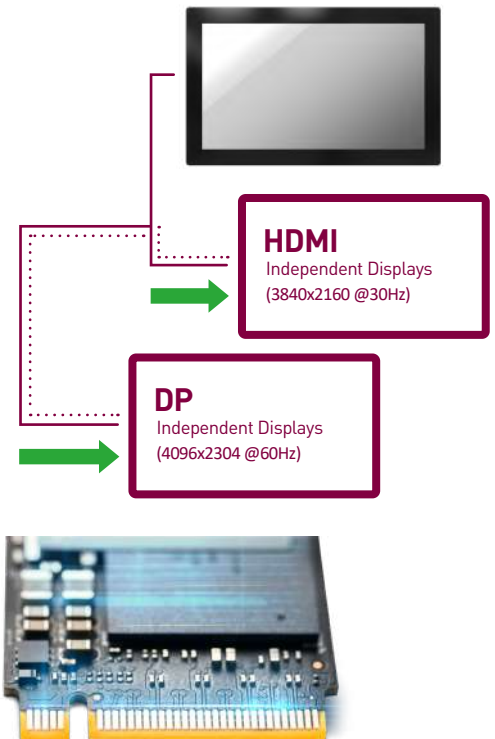


Triple Independent Displays Support

The AIO-200-ADL & AIO-200-ASL Series supports triple independent displays for industrial HMI and multimedia applications. With the built-in touchscreen display, HDMI and DisplayPort can connect two additional external displays.

- **HDMI:** Up to 3840 × 2160 4K UHD @ 30Hz
- **DP:** Up to 4096 × 2304 Real 4K @ 60Hz

AIO-200 Series Display



Storage and Connectivity M.2 Keys

The AIO-200-ADL & AIO-200-ASL Series supports flexible M.2 expansion for high-speed storage and wireless connectivity, simplifying integration into industrial IoT and HMI applications.

- M.2 SSD storage
- M.2 E-Key for Wi-Fi/Bluetooth
- M.2 B-Key support for LTE on AIO-200-ASL configurations
- Dual Nano SIM support on AIO-200-ASL configurations



Efficient Intel® Processing for Industrial HMI

Powered by Intel® N Series and Atom® x7000RE processors, the AIO-200-ADL and AIO-200-ASL Series delivers scalable, power-efficient computing for industrial HMI and edge applications. Processor options provide up to 8 cores for responsive control, visualization, and connected edge workloads.

- Intel® N Series: 4-core processing up to 3.60 GHz
- Intel Atom® x7000RE: 4-core and 8-core options
- DDR5-4800 memory up to 16GB
- Low-power processing for edge applications

Key Advantages :

- 4-core and 8-core processor options
- Low-power computing
- DDR5-4800 memory up to 16GB
- -10°C to 50°C operating temperature





AIO-200-ADL, AIO-200-ASL-2L & AIO-200-ASL-3L Series

COMPARISON TABLE



Model	AIO-200-ADL Series	AIO-200-ASL-2L Series	AIO-200-ASL-3L Series
Processors	12 th Gen Intel® Alder Lake N97	Intel® N Series and Atom® x7000RE processors	
Memory	DDR5 4800 MT/s SO-DIMM. Max up to 16GB (Default 8GB)		
Display	Triple Independent Displays supported: DP, HDMI, LVDS (Internal) or eDP (Internal)		
I/O	2x 2.5GbE RJ45, 4x USB 3.2 Gen 2 (10 Gbps), 2x RS-232/422/485, 1x Audio Out	Up to 3x 2.5GbE RJ45, up to 4x USB 3.2, 2x COM	
Connectivity	1x M.2 E Key for WiFi 6E/Bluetooth	M.2 support for storage expansion and wireless communication, WiFi/Bluetooth, optional LTE, Dual Nano SIM on select configurations	
IP Rating	Front Panel IP65, Back Panel IP54	Front Panel IP65	
LCD Size	10.1" (16:10), 15.6" (16:9), 21.5" (16:9)		
Max. Resolution	Max 1920 x 1080 (Full HD)		
Brightness (cd/m²)	Max 500 nits		
Viewing Angle (H/V)	Max 89/89/89/89		
Backlight Lifetime	30,000 Hours/50,000 Hours		
Projected Capacitive	10 Point - Capacitive		
Surface Hardness	7H / IK07		
Certification	CE, FCC, CB, UL, UKCA, IC		
Operating Temp.	-10°C to 50°C		

We Create World-Class Edge Computers For Your Industry-Leading Solutions

AIO-200-ADL Series



intel

Model	AIO-W210-ADL	AIO-W215-ADL	AIO-W221-ADL
	Capacitive All IN One Touchscreen Computer with Intel® Alder lake N97		
CPU Onboard	12 th Gen Intel® Alder Lake-N N97 Processor		
Memory	8GB DDR5 4800 MT/s SO-DIMM (Up to 16GB)		
Graphic Output	Triple Independent Displays 1x HDMI/1x DP/1x LVDS (Internal) or 1x eDP (Internal)		
LAN	2x i225V 2.5GbE LAN		
I/O	4x USB 3.2 Gen 2 (10Gbps) 2x RS-232/422/485 1x Audio out		
Storage	128G M.2 B Key NVMe SSD		
Expansion	1x M.2 E Key for Wifi 6E/Bluetooth [Optional]		
Power	12-36V DC, DC Jack 5.5mm/2.5mm, 60W/12V Adapter [Optional]		
Operating Temperature	-10°C to 50°C		
Certification	CE, FCC Class A, CB, UL Listed, UKCA, IC		
IP Rating	Front Panel IP65, Back Panel IP54		
LCD Size	10.1" (16:10) WXGA	15.6" (16:9) FHD	21.5" (16:9) FHD
Brightness [cd/m2]	400 nits	400 nits	500 nits
Backlight MTBF	30,000 Hours	30,000 Hours	50,000 Hours
Projected Capactive	10 Point - Capactive		
Surface Hardness	7H / IK07		

We Create World-Class Edge Computers For Your Industry-Leading Solutions

AIO-200-ASL-2L Series



intel

Model	AIO-W210-ASL-2L	AIO-W215-ASL-2L	AIO-W221-ASL-2L
	Capacitive All IN One Touchscreen Computer with Intel® N Series and Atom® x7000RE Processors		
CPU Onboard	Intel® Processor N97, 4-Core, up to 3.60 GHz Project Based: Intel® Processor N150, 4-Core, up to 3.60 GHz / Intel® Atom® x7433RE, 4-Core, up to 3.40 GHz		
Memory	DDR5-4800 MT/s SO-DIMM, up to 16GB (8GB Default)		
Graphic Output	Triple Independent Displays: 1x HDMI / 1x DP / Internal LVDS		
LAN	2x 2.5GbE LAN		
I/O	2x USB 3.2 Gen 2 Type-A 1x USB 3.2 Gen 1 Type-A, 1x USB 3.2 Gen 1 Type-C, 1x RS-232/422/485 + 1x RS-232		
Storage	1x M.2 M-Key 2280, 128GB NVMe SSD (Default) Optional 2.5" SATA SSD		
Expansion	1x M.2 E-Key 2230 for Wi-Fi/Bluetooth, 1x M.2 B-Key 2242/3052 for 4G LTE/5G, 1x Dual Nano SIM		
Power	60W, 12V/5A		150W, 20V/7.5A
Operating Temperature	-10°C to 50°C		
Certification	UL 62368 Ed. 3, CE, FCC Class B, CB, UKCA		
IP Rating	Front Panel IP65		
LCD Size	10.1" (16:10) WXGA	15.6" (16:9) FHD	21.5" (16:9) FHD
Brightness [cd/m2]	400 nits	450 nits	500 nits
Backlight MTBF	30,000 Hours	50,000 Hours	50,000 Hours
Projected Capacitive	10 Point - Capacitive		
Surface Hardness	7H / IK07		

We Create World-Class Edge Computers For Your Industry-Leading Solutions

AIO-200-ASL-3L Series



intel

Model	AIO-W210-ASL-3L	AIO-W215-ASL-3L	AIO-W221-ASL-3L
	Capacitive All IN One Touchscreen Computer with Intel® Alder lake N97/x7835RE Processor		
CPU Onboard	12 th Gen Intel® Alder Lake-N N97 Processor/ Intel® Atom® x7835RE Processor		
Memory	DDR5 4800 MT/s SO-DIMM. Max. up to 16GB		
Graphic Output	Triple Independent Displays1x HDMI/1x DP/1x LVDS (Internal) or 1x eDP (Internal)		
LAN	3x i226V 2.5GbE LAN		
I/O	2x USB 3.2 Gen 2 (10 Gbps) 2x RS-232/422/485		
Storage	128G M.2 B Key SSD (Default) 1x SATA 3.0 6Gb/s (Support AHCI)		
Expansion	1x M.2 E Key Support WiFi 6E/Bluetooth (Optional) 1x M.2 B Key Support NVMe/4G (Optional)		
Power	12-36V DC, DC Jack 5.5mm/2.5mm, 60W/12V Adapter (Optional)		
Operating Temperature	-10°C to 50°C		
Certification	CE, FCC Class A, CB, UL Listed, UKCA, IC		
IP Rating	Front Panel IP65		
LCD Size	10.1" (16:10) WXGA	15.6" (16:9) FHD	21.5" (16:9) FHD
Brightness [cd/m2]	400 nits	400 nits	500 nits
Backlight MTBF	30,000 Hours	30,000 Hours	50,000 Hours
Projected Capacitive	10 Point - Capacitive		
Surface Hardness	7H / IK07		

AIO Series

AIO-200-MX

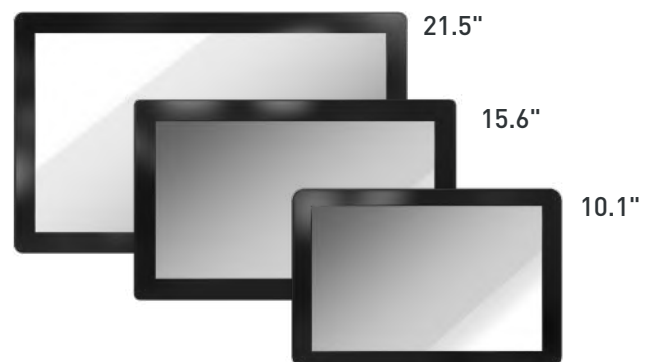
All In One Touchscreen Monitor



The **AIO-200-MX** is a **rugged touchscreen monitor** available in **three sizes**, designed to deliver **industrial-grade durability and precision touch control**. These monitors feature the same **robust construction and high-resolution capacitive touch technology** as the AIO-200-ASL-3L but function solely as display solutions. Without built-in computing hardware, the AIO-200-MX offers the same **reliable and durable screen**, while allowing users to **connect to external computing systems**, providing **greater flexibility** for various industrial applications.

AIO-200-MX Key Features

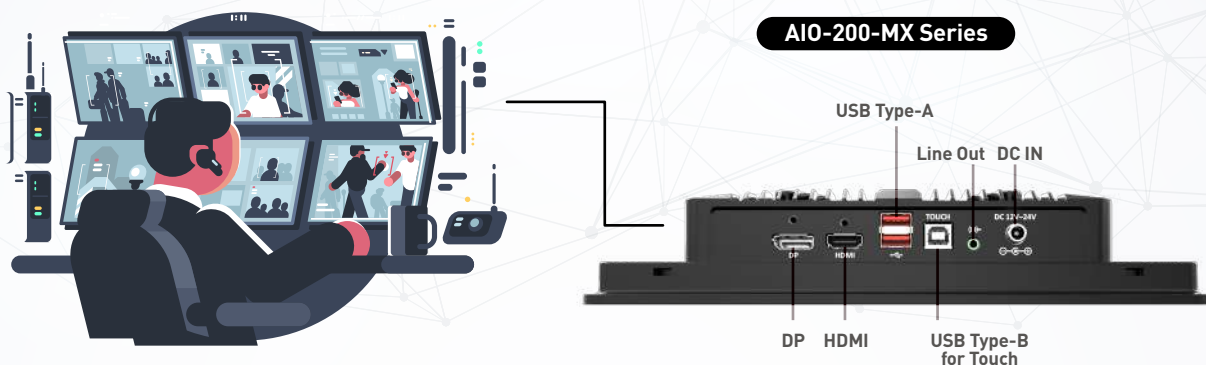
- Three sizes 10.1" 15.6" 21.5"
- IP65-rated front panel for water and dust resistance
- 10-point PCAP capacitive touchscreen for precise touch control
- Scratch-resistant 7H hardness IK07 impact protection
- Dual display output HDMI and DisplayPort (DP)
- Wide operating temperature -10°C to 50°C
- Certified for safety and reliability: CE FCC CB UL UKCA IC



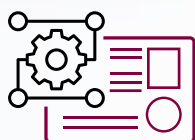
Seamless Connectivity for Industrial Automation

The AIO-200-MX Series is equipped with versatile I/O ports, ensuring seamless integration into industrial automation and HMI applications.

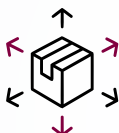
- **HDMI & DP:** Supports high-definition video output
- **2x USB Type A:** Provides convenient access for peripheral connections
- **USB Type-B:** Enables precise and responsive touch control
- **1x Line Out:** Allows external audio output for communication



Key Applications of the AIO-200-MX Monitor



Industrial Automation
& HMI Control System



Logistics
Management



Smart Retail &
Kiosk



Transit system
controls

AIO-200-MX Monitor Series



	AIO-W210-MX	AIO-W215-MX	AIO-W221-MX
Projected Capacitive	10 Point - Projected Capacitive Touch		
Surface Hardness	7H / IK07		
IP Rating	Front Panel IP65		
LCD Size	10.1" [16:10] WXGA	15.6" [16:9] FHD	21.5" [16:9] FHD
Brightness	400 nits	400 nits	500 nits
MTBF	30,000 Hours	30,000 Hours	50,000 Hours
I/O	1x Display Port 1.1, 1x HDMI 1.4a 2x USB 2.0 Type A, 1x USB Type B for Touch		
Operating Temperature	-10°C to 50°C		
Certification	CE, FCC Class A, CB, UL Listed, UKCA		