AIO SERIES

INDUSTRIAL TOUCHSCREEN COMPUTER

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

MADE IN TAIWAN · MADE IN

AIO SERIES ALL IN ONE INDUSTRIAL TOUCHSCREEN COMPUTER

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

1 YEAR WARRANTY

All In One Integrated System

Zero Downtime & Upgrades

Efficient Compute Performance

Seamless Application Integration

All In One Advanced Design

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 ultimate screen readability and clarity, the AIO All In One Touchscreen Computer is front panel IP65 rated with 7H scratch resistant, and back panel IP41 rated. All while being powered by 12th Gen Intel® Alder Lake-N N97 & x7835RE processors

21.5"
15.6"
10.1"

AIO-200-ADL Series

AIO All In One Touchscreen Computer Features:

- Simplistic All In One Reliable Design
- 12th Gen Intel® Alder Lake-N N97 & x7835RE processors
- DDR5 4800MHz up to 16GB
- M.2 Capability for Storage Expansion & Wireless Communication
- Triple Independent Displays (Up to 4K)
- Front Panel IP65 Rated & MIL-STD-810G Method 516.7 Procedure
- CE, FCC Class A, CB, UL Listed, UKCA, IC

21.5"
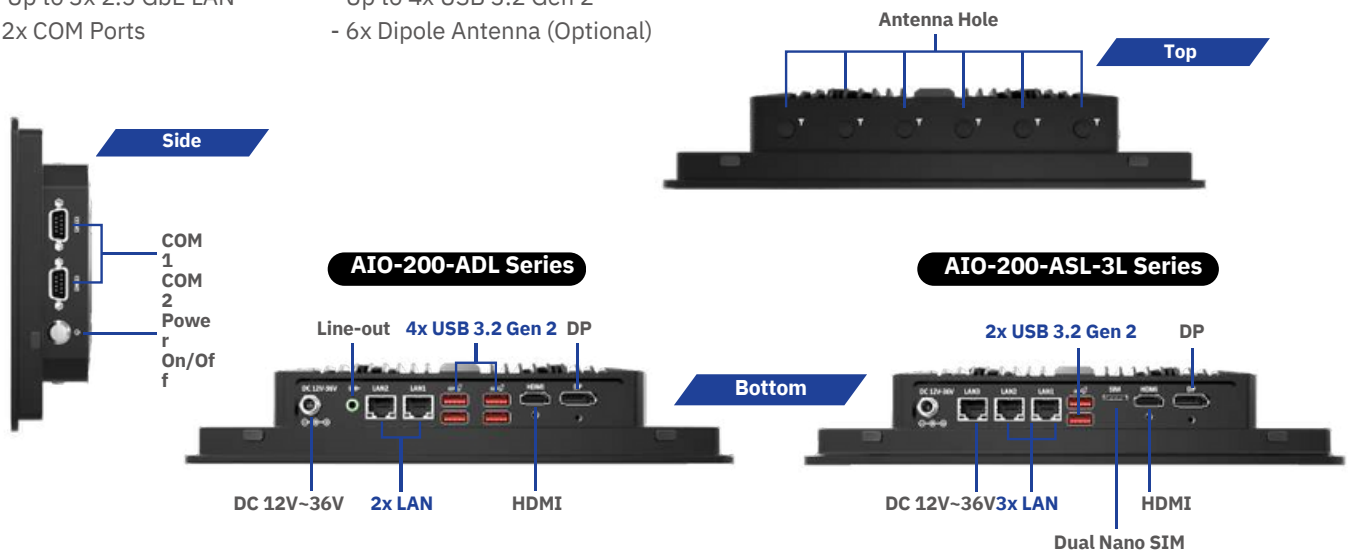15.6"
10.1"

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 2.5 GbE LAN
- 2x COM Ports
- Up to 4x USB 3.2 Gen 2
- 6x Dipole Antenna (Optional)

Antenna Hole

Top

Side

COM 1
COM 2
Power On/Off

AIO-200-ADL Series

Line-out   4x USB 3.2 Gen 2   DP

Bottom

AIO-200-ASL-3L Series

2x USB 3.2 Gen 2   DP

DC 12V~36V   2x LAN   HDMI

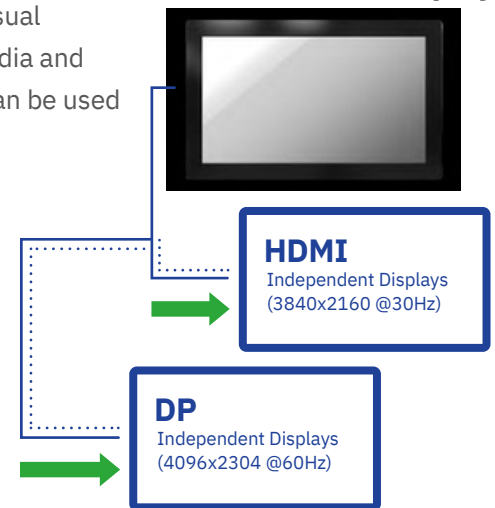DC 12V~36V 3x LAN   HDMI

Dual Nano SIM

Triple Independent Displays Support

The All-In-One AIO Panel PC is equipped with Intel® UHD Graphics, enhances visual experiences by supporting triple independent displays, ideal for various multimedia and industrial applications. With the AIO's built-in monitor, the HDMI and DP ports can be used to connect two additional external displays. The display capabilities include:

• **HDMI:** Supports high-definition output up to 3840 x 2160 (4K UHD) at 30Hz.

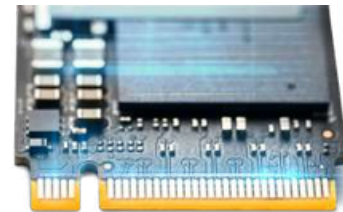• **DP:** Delivers ultra-high resolutions up to 4096 x 2304 (Real 4K) at 60Hz.

AIO-200 Series Display

HDMI
Independent Displays
(3840x2160 @30Hz)

DP
Independent Displays
(4096x2304 @60Hz)

Storage and Connectivity M.2 Keys

The AIO Series boosts its capabilities with M.2 slots, enabling advanced expansions for wireless low-latency communication essential in IoT, and SSDs for quick and reliable data storage.

• 1x M.2 B Key 128G SSD default Storage
• 1x M.2 E Key for WiFi 6E/Bluetooth
• 1x Dual SIM slot for 4G/5G (Attached M.2 B Key, AIO-200-ASL-3L Only)
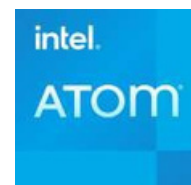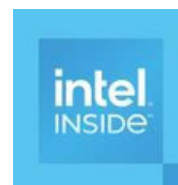
Harnessing the Power of Intel Efficiency Cores

Leverage the cutting-edge capabilities of Intel® 12th Gen Alder Lake-N N97 and Intel® Atom® x7835RE processors, designed for advanced computing with an optimized balance of performance and energy efficiency.These processors empower the All-In-One (AIO) Panel PC with rapid multitasking and outstanding power optimization, making the AIO Series a perfect solution for industrial HMI applications where performance and sustainability are paramount.

• **12th Gen Intel Alder Lake-N N97:** 4 Efficiency Cores (E-Cores), 3.6 GHz
• **Intel Atom x7835RE:** 8 Efficiency Cores (E-Cores), 3.6 GHz (AIO-200-ASL-3L Only)

Key Advantages :
• 4 E-Cores/8 E-Cores (Intel 7 Architecture)
• Low Power Consumption
• Supports single channel memory
• Extended Tempurature Range

AIO-200-ADL & AIO-200-ASL-3L Series
COMPARISON TABLE

Model	AIO-200-ADL Series	AIO-200-ASL-3L Series
Processors	12th Gen Intel® Alder Lake N97	**Intel® Atom® x7835RE Processor** 12th Gen Intel® Alder Lake N97
Memory	DDR5 4800MT/s SODIMM. Max up to 16GB (Non-ECC), (Default 8GB)	
Display	Triple Independent Displays supported: DP, HDMI, LVDS (Internal) or eDP (Internal)	
I/O	2x 2.5GbE RJ454x USB 3.2 Gen 2 (10 Gbps) 2x RS232/422/485 **1x Audio Out**	**3x 2.5GbE RJ45** **2x USB 3.2 Gen 2 (10 Gbps)** 2x RS-232-/422/485
Connectivity	1 x M.2 E Key for Wifi 6E/Bluetooth	**1x Dual Nano SIM Socket for 4G/5G** **(Attached M.2 B Key)** 1 x M.2 E Key for Wifi 6E/Bluetooth
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 (Optional 1000+ Nits)	
Viewing Angle (H/V)	Max 89/89/89/89	
MTBF	30,000 Hours/50,000 Hours	
Certification	CE, FCC Class A, CB, UL Listed, 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	12th Gen Intel® Alder Lake-N N97 Processor		
Memory	8GB DDR5 4800MT/s SO-DIMM (Up to 16GB)		
Graphic Output	Triple Independent Displays1x 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		

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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	12th Gen Intel® Alder Lake-N N97 Processor/ Intel® Atom® x7835RE Processor		
Memory	DDR5 4800MHz 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/5G (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)	15.6" (16:9) FHD	21.5" (16:9) FHD
Brightness [cd/m2]	WXGA 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		