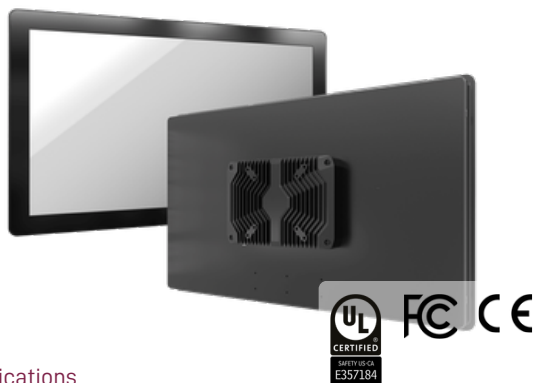




ALL IN ONE TOUCHSCREEN COMPUTER

AIO-W221-ASL-2L

21.5" Full HD Capacitive IP65 All In One Touchscreen Computer With Intel® N Processor, 2x LAN, 3x USB, 1x TYPE C, 2x COM 1x DP, 1x HDMI



Features

- 21.5" (16:9) Full HD All-in-One Touchscreen Computer
- World Class Certifications for Safety and Reliability: CE/FCC/CB/UL/UKCA/IC
- Front IP65 Rating for protection against water and dust
- Scratch Resistant 7H Glass Hardness
- Versatile Display Outputs; HDMI and DP
- Backlight lifetime Up to 50,000 Hours
- 10 Point Multi Touch with AG/AF

Specifications

Display	
IP Rating	Front IP65
LCD Size	21.5" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	500 nits
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248(H) x 0.248(V)
Viewing Angle	89/89/89/89 (Typ.) (CR>=10)
Backlight Lifetime	50,000 Hours (LED Backlight)
Display Port	1x DP, support 4096 x 2304 Real 4K @60Hz
HDMI	1x HDMI, support 3840 x 2160 UHD@30Hz
LVDS	Default touchscreen LCD
Multiple Display	Triple Independent Displays
Touch	
Touch Type	Projected Capacitive Touch
Surface Hardness	7H / IK07
Multi-touch	10 point
Anti-noise	CS 10V rms
Coating	AG/AF
System	

Processor	
Standard	
• Intel® Processor N97, 6MB Cache, up to 3.60 GHz, 4-Core Processor	
Project Based	
• Intel® Processor N150, 6MB Cache, up to 3.60 GHz, 4-Core Processor	
• Intel® Atom® x7433RE Processor 6M Cache, up to 3.40 GHz, 4 Core Processor	
System Chipset	SoC integrated
System Memory	DDR5 4800 MT/s SODIMM. Max up to 16GB (Default: 8GB)
LAN Chipset	GbE1: Intel I225-V (Support Wake-on-LAN and PXE) GbE1: Intel I225-V (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888
BIOS	AMI uEFI 8Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

Storage	
M.2	1x M-Key 2280, 128G NVMe SSD (Default)
SATA	2.5" SATA SSD (Option)

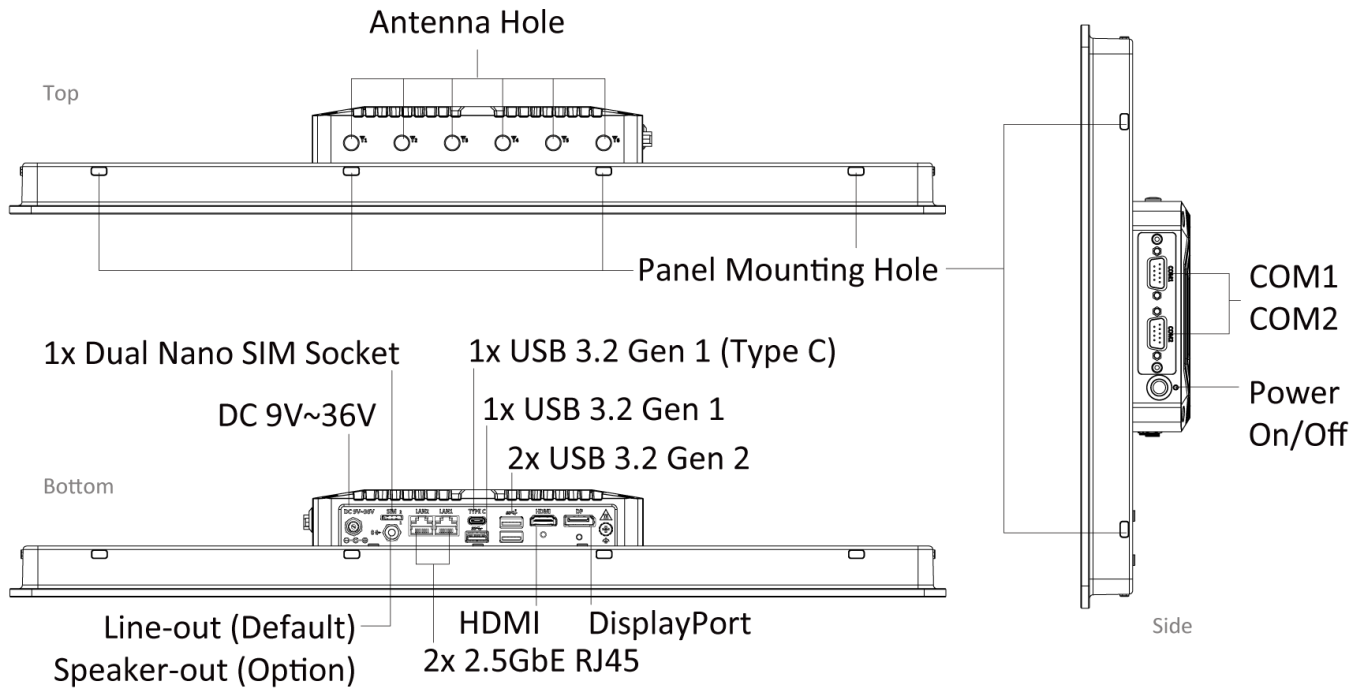
Expansion	
M.2	1x E-Key 2230 PCIe+USB2.0 1x B-Key 2242/3052 PCIe/USB3.0 Support LTE/5G (Share with SATA connector)

I/O	
COM	• 1x RS232/422/485, 1x RS232 • 2x USB2.0 (Side panel, Optional)
USB	2x USB 3.2 Gen 2 Type A 1x USB 3.2 Gen 1 Type A 1x USB 3.2 Gen 1 Type C
LAN	2x 2.5GbE LAN
Audio	• 1x Audio out (Default) • 1x Speaker out (Option)
SIM	1x Dual Nano SIM
Others	Support 6x Dipole Antenna (optional)

Operating System	
Windows	Windows 10 IoT Enterprise LTSC (64-bit) Windows 11 IoT Enterprise LTSC (64-bit)

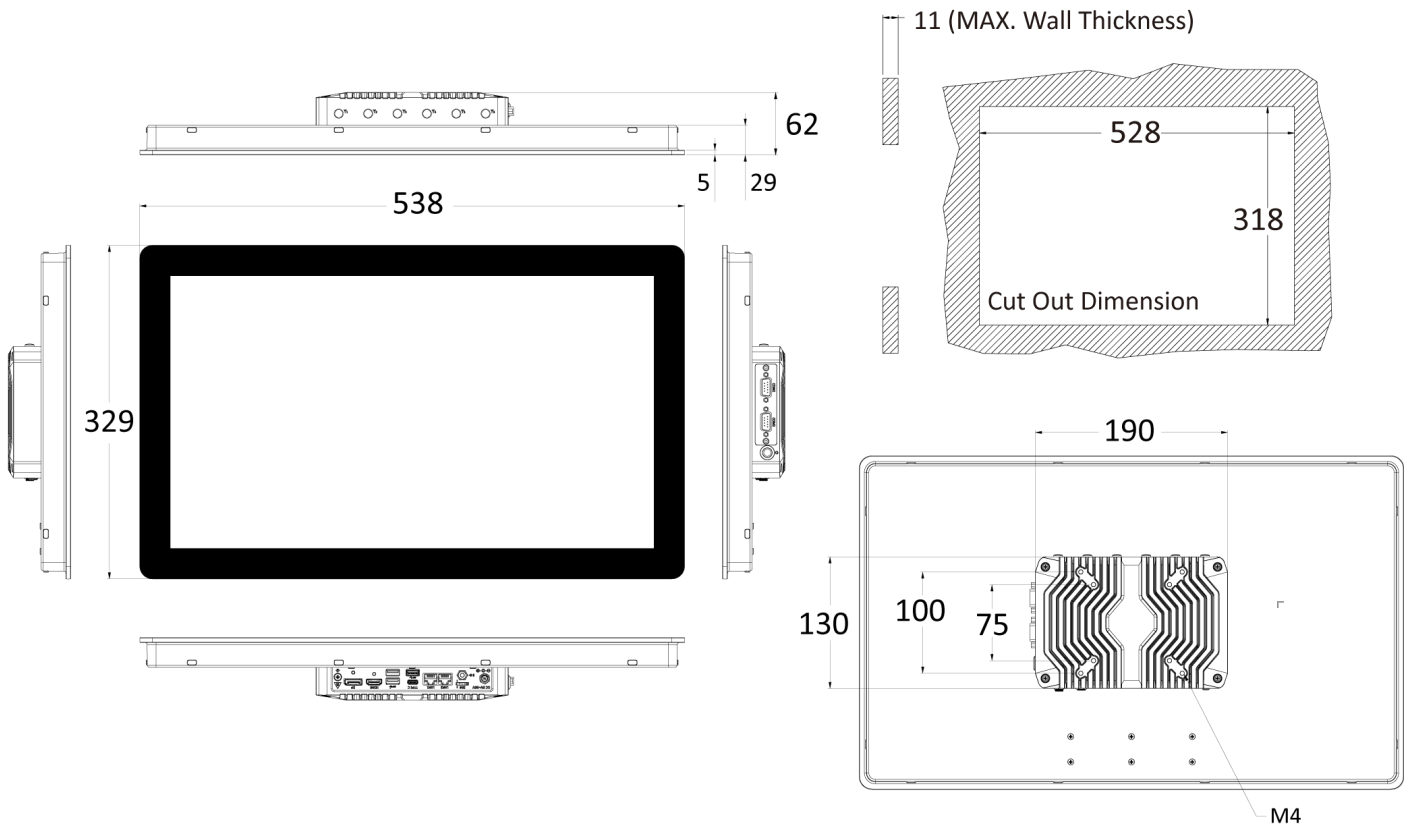
Linux	Ubuntu 22.04 / 24.04 LTS Linux 5.x / 6.x
Power	
Power Adapter	150W with Lock (20V 7.5A, Default)
Power Supply Voltage	DC 9~36V
Power Connector	DC Jack 5.5mm/2.5mm
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) DC Surge Protection Reverse Protection
Environment	
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C
Relative Humidity	10% to 80% (non-condensing)
Certification	UL 62368 Ed. 3, CE, FCC Class B, CB, UKCA
Vibration	With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis)
Shock	With SSD: 20G half-sin 11ms
Physical	
Dimensions	538 (W) x 329 (H) x 62 (D) mm
Weights	5.2 kg
Mounting	VESA Mount (75mm x 75mm/100mm x 100mm) Panel Mount (optional)

External I/O Mechanical Layout

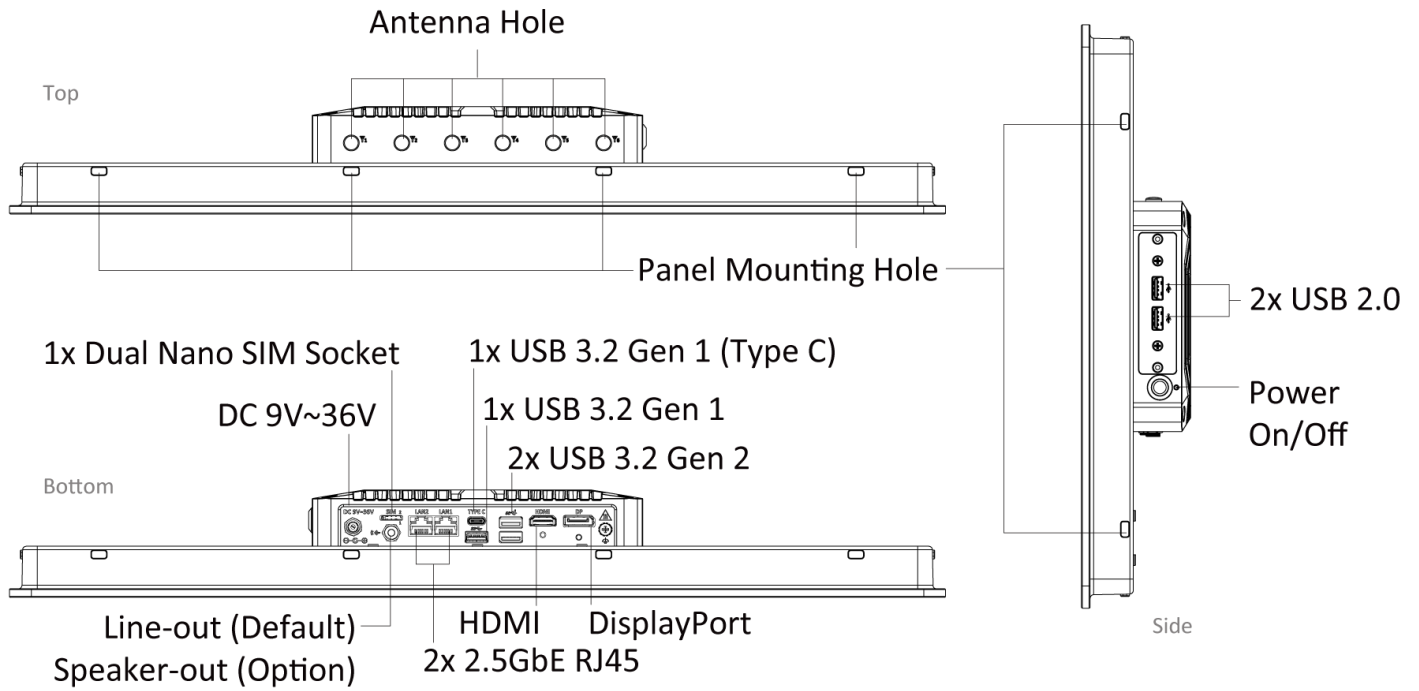


Dimension

Unit: mm

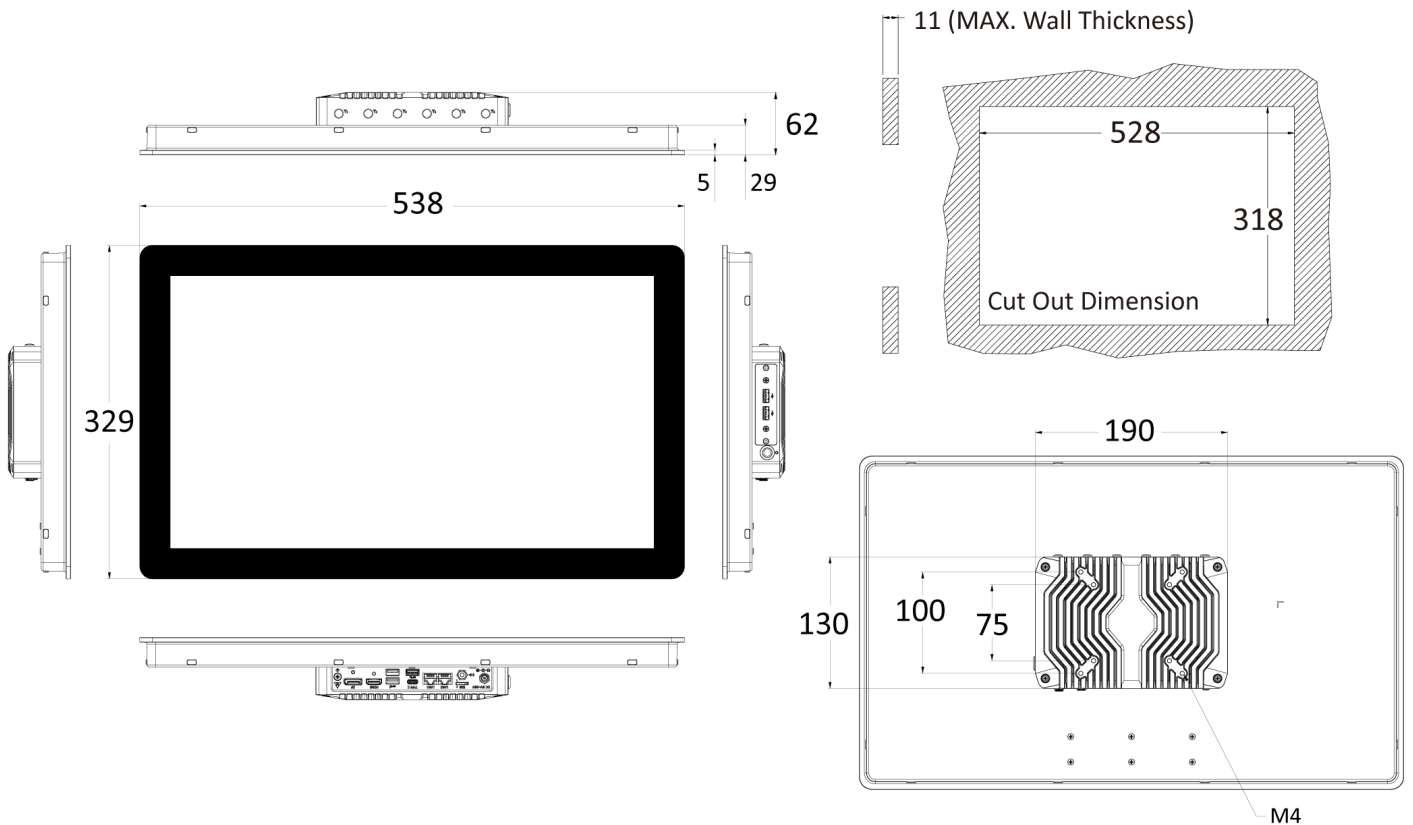


External I/O Mechanical Layout



Dimension

Unit: mm



Compliances and Standards

Shock	With SSD: 20G half-sin 11ms IEC60068-2-27:2008 Designed to comply with MIL-STD-810H Method 516.8 Procedure I
Vibration	With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis) IEC60068-2-64:2008 Designed to comply with MIL-STD-810H Method 514.8 Procedure I
Operating Temperature	-10°C to 50°C IEC60068-2-1:2007 (Cold test procedure) IEC60068-2-2:2007 (Dry heat test procedure) IEC60068-2-3:2007 (Damp heat, steady state, test procedure) IEC60068-2-14:2009 (Wide temperature range thermal shock)
EMI	- FCC Class B - CE - ICES-003 - UKCA
Safety	- UL Safety: UL62368-1, 3rd Ed., (cULus) - Test procedure: CB Scheme - Standard: IEC 62368-1:2018

Available Models

Model No.	Description
AIO-W221-ASL-2L	21.5" Full HD Capacitive IP65 All In One Touchscreen Computer With Intel® N Processor, 2x LAN, 3x USB, 1x TYPE C, 2x COM, 1x DP, 1x HDMI

Optional Accessories

Model No.	Description
1-E09A15001	Adapter Output 20V 7.5A 150W / Input 100-240V
1-TPWR00197	3P Terminal Block(Female) To DC Plug 5.5x2.5 With Lock_100 mm_For AIO Series
1-TPWR00180	3P Terminal Block(Female) To DC Plug 5.5x2.5 With Lock_90 degree 100mm_For AIO Series
1-TAD000029	External Audio Speaker Cable 2W L=1000mm
1-TPCD00020	Power Cord, 3-pin US Type, 183cm
1-TPCD00021	Power Cord, 3-pin EU Type, 183cm
1-TPCD00022	Power Cord, 3-pin UK Type, 181cm
1-TPCD00023	Power Cord, 3-pin AS/NZS 3112 Type, 183cm
1-TPCD00024	Power Cord, 3-pin JAP Type, 183cm
3-WIFI0801S10	WIFI 6E Module KIT, Intel, 2T2R & BT 5.3
3-AI215040S10	AIO-W221 Panel Mount Bracket Kit
3-USB20K01S10	Dual USB 2.0 Cable Module Kit
3-2COM0K02S10	COM Cable Module Kit

Packing List

1x AIO-W221-ASL-2L Touchscreen Computer
1x Adapter 150W 20V 7.5A
1x 128G M.2 M-key SSD
1x 8GB DDR5 4800 MT/s

Exports And Tariff Codes

ECCN	5A992.c
HTS	8471.50.0150
ScheduleB	84.71