



ALL IN ONE TOUCHSCREEN COMPUTER

AIO-W221-ADL

21.5" Full HD Capacitive All IN One Touchscreen Computer with Intel® Alder lake N97 Processor

Features

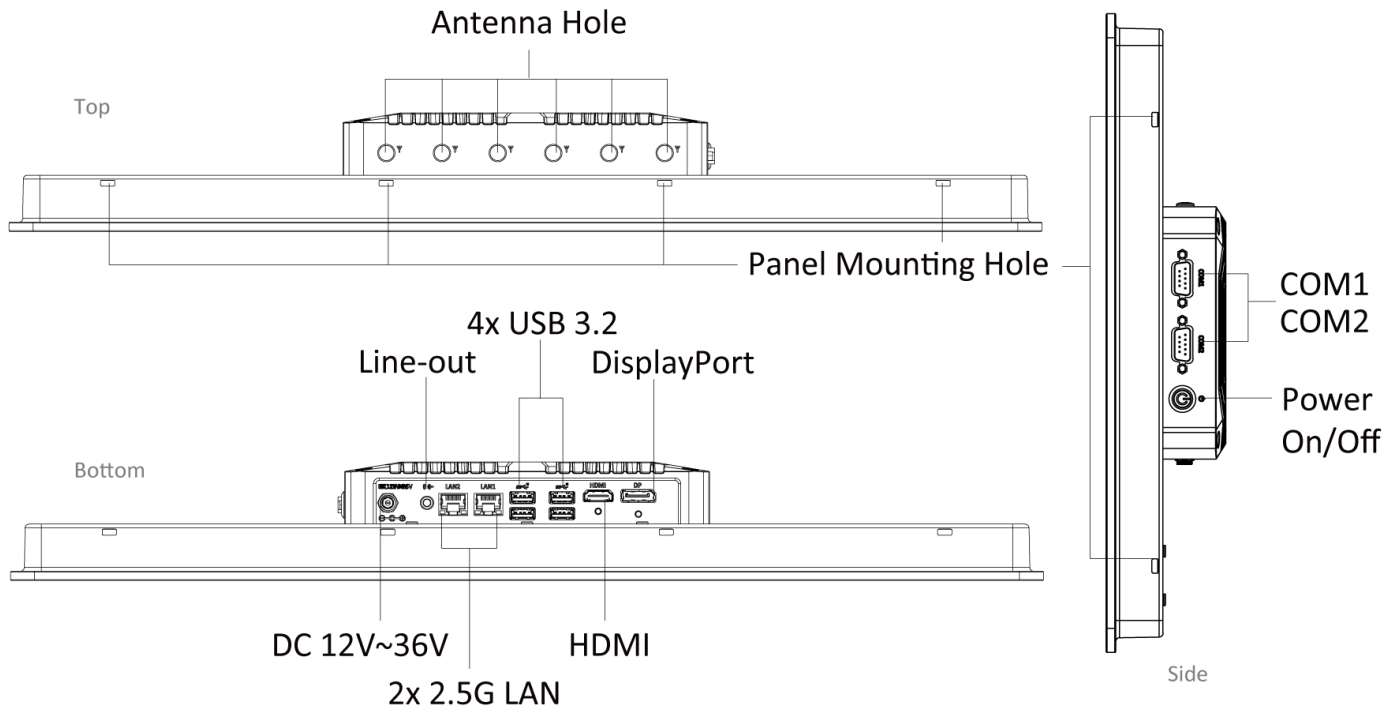
- 21.5" (16:9) Full HD All-in-One Touchscreen Computer
- World Class Certifications for Safety and Reliability: CE/FCC/CB/UL/UKCA/IC
- Front IP65 Rating for protection against water and dust
- Scratch Resistant 7H Glass Hardness
- Versatile Display Outputs; HDMI and DP
- MTBF 50,000 Hours

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 MTBF	50,000 Hours (LED Backlight)
Touch	
Touch Type	Projected Capacitive Touch
Surface Hardness	7H / IK07
System	
Processor	Intel® Processor N97 6M Cache, up to 3.60 GHz
System Chipset	SoC integrated
System Memory	DDR5 4800MT/s SODIMM. Max up to 16GB (Default: 8GB)
LAN Chipset	GbE1: Intel I225-V (Support Wake-on-LAN and PXE) GbE2: Intel I225-V (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC897
BIOS	AMI uEFI 8Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset
Storage	
M.2 B Key	128G M.2 B Key SSD (Default)
SATA	1x SATA 3.0 6Gb/s port (Support AHCI)
Expansion	
M.2 E Key	1x M.2 E Key Support WiFi 6E/Bluetooth (Optional)
I/O	
DisplayPort	1x DP, support 4096 x 2304 Real 4K @60Hz
HDMI	1x HDMI, support 3840 x 2160 UHD@30Hz
COM	2x RS-232/422/485
USB	4x USB 3.2 Gen 2
LAN	2x 2.5GbE LAN
Audio	1x Audio out
Others	Support up to 6x Antenna (optional)
Operating System	
Windows	Windows 10 / Windows 11
Linux	Linux Ubuntu 22.04
Power	
Power Adapter	60W (12V 5A, Default)
Power Supply Voltage	DC 12~36V
Power Connector	DC Jack 5.5mm/2.5mm
Environment	
Operating Temperature	-10°C to 50°C

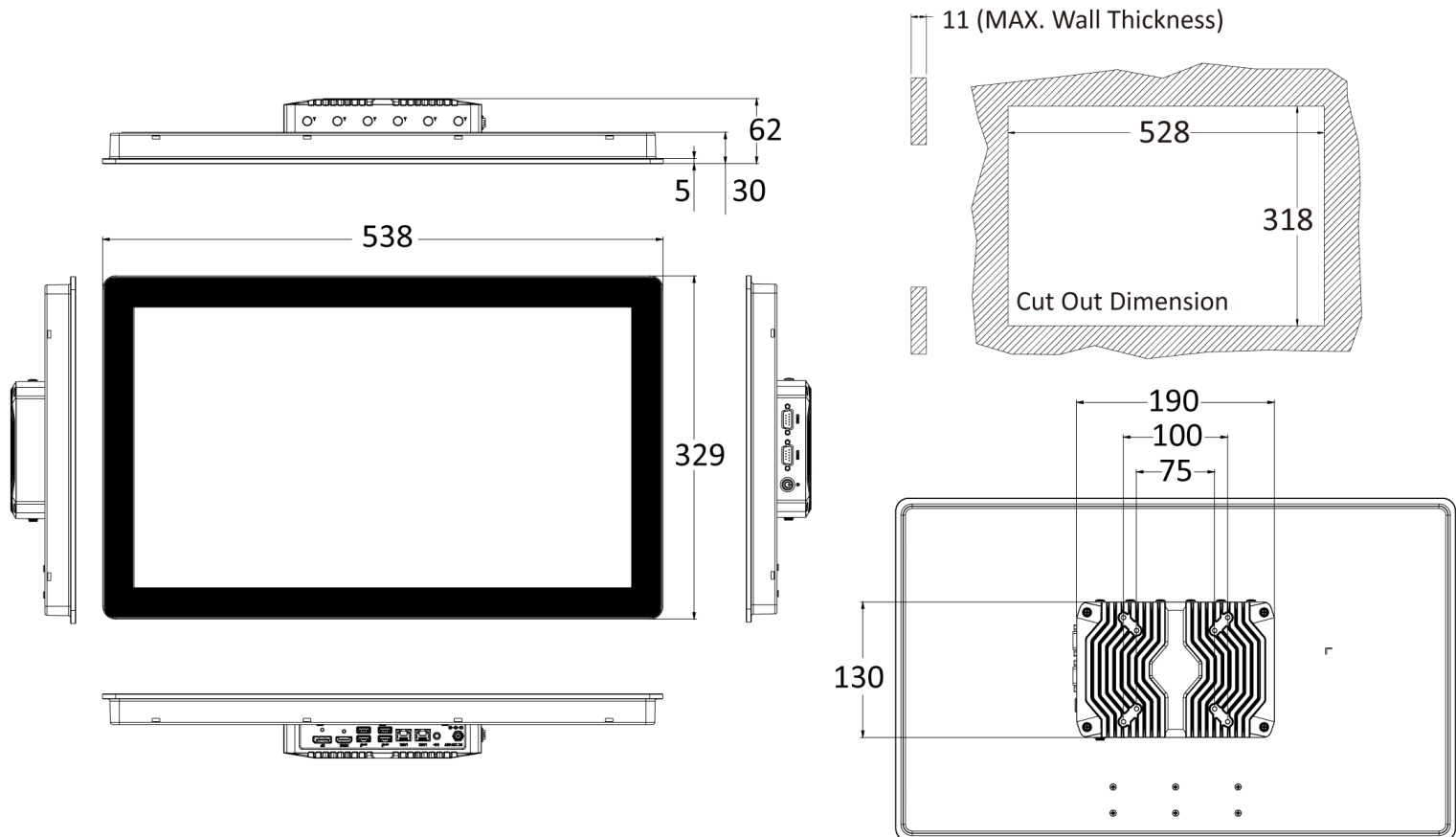
Storage Temperature	-20°C to 60°C
Relative Humidity	10% to 80% (non-condensing)
Certification	CE, FCC Class A, CB, UL Listed, UKCA, IC
Vibration	IEC60068-2-64:2008 With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis) Designed to comply with MIL-STD-810G Method 514.7 Procedure I
Shock	IEC60068-2-27:2008 With SSD: 20G half-sin 11ms Designed to comply with MIL-STD-810G Method 516.7 Procedure I
Physical	
Dimensions	538 (W) x 329 (H) x 62 (D) mm
Weights	5.2 kg
Mounting	VESA Mount (75mm x 75mm/100mm x 100mm)

External I/O Mechanical Layout



Dimension

Unit: mm



Available Models

Model No.	Description
AIO-W221-2L-N97	21.5" Full HD Capacitive All IN One Touchscreen Computer with Intel® Alder lake N97 Processor, 2x 2.5 GbE LAN

Optional Accessories

Model No.	Description
1-E09A06012	Adapter Output 12V 5A 60W / Input 100-240V
3-WIFI0801S10	WIFI 6E Module KIT, Intel, 2T2R & BT 5.3
1-TCOM00041	COM cable (CT-240125-01/CHEN PERNG)
3-AI215040S10	AIO-W221 Panel Mount Bracket Kit
1-TPWR00118	3P Terminal Block(Female) To DC Plug 5.5x2.5 With Lock_100 mm_For AIO Series
1-TLAN00028	LAN Male to Female CABLE /CAT6 A LAN Cable_8P/8C_80mm

Packing List

1x AIO-W221-ADL Series Touchscreen Computer
1x Adapter 60W 12V 5A
1x 128G M.2 B key SSD
1x 8GB DDR5 4800 MT/s