

# ALAD-A2310T(P)

23.8" TFT LCD Capacitive Touch, Intel® Elkhart lake Soc CPU, 4\*COM, 2\*LAN, 4\*USB3.2, 1\* Line out, 1\*2.5 " SATA bay, 1\*mSATA, DC 9~36V

**JHCTECH** IoT Computer Connecting the Dots

Industrial Panel Computer, Aladdin Family



## Key Features

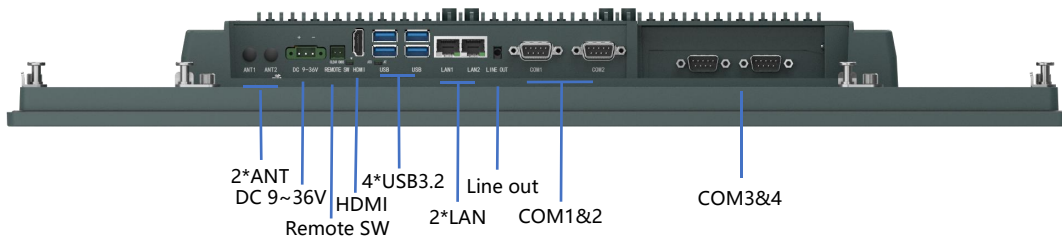
- Aluminum die-casting chassis, Full Flat Mirror Panel
- 23.8" Full HD LCD, Multi-point capacitive touch
- Intel® Elkhart lake Soc CPU, fanless design
- 1\*DDR4 3200 SODIMM, up to 32GB
- 1\*Mini PCIe, 1\*M.2 B-Key Type 3042/3052
- 4\*COM, 2\*LAN, 4\*USB3.2, 1\*8-bit DIO (opt.)
- 2.5" SATA Bay, 1\*mSATA, 1\*Line out, 2\*3W Speaker
- DC 9~36V power input
- Standard VESA mount and panel mounting



## Description

ALAD-A2310T(P) is a full flat mirror panel powered by an Intel® Elkhart lake Soc CPU series processor. It adopts 23.8 "1920\*1080 resolution full HD TFT LCD and fully fits surface projection multi-point capacitive touch screen. The product has a comprehensive I/O interface, supporting 1\*2.5 "SATA disk and 1\*mSATA dual storage; Built-in 1\*Mini PCIe and 1\*M.2 3042/3052 expansions, wide voltage DC power supply from 9 to 36V, aluminum die-cast body without fan heat dissipation, various installation modes, suitable for intelligent MES system and device management HMI.

## I/O View

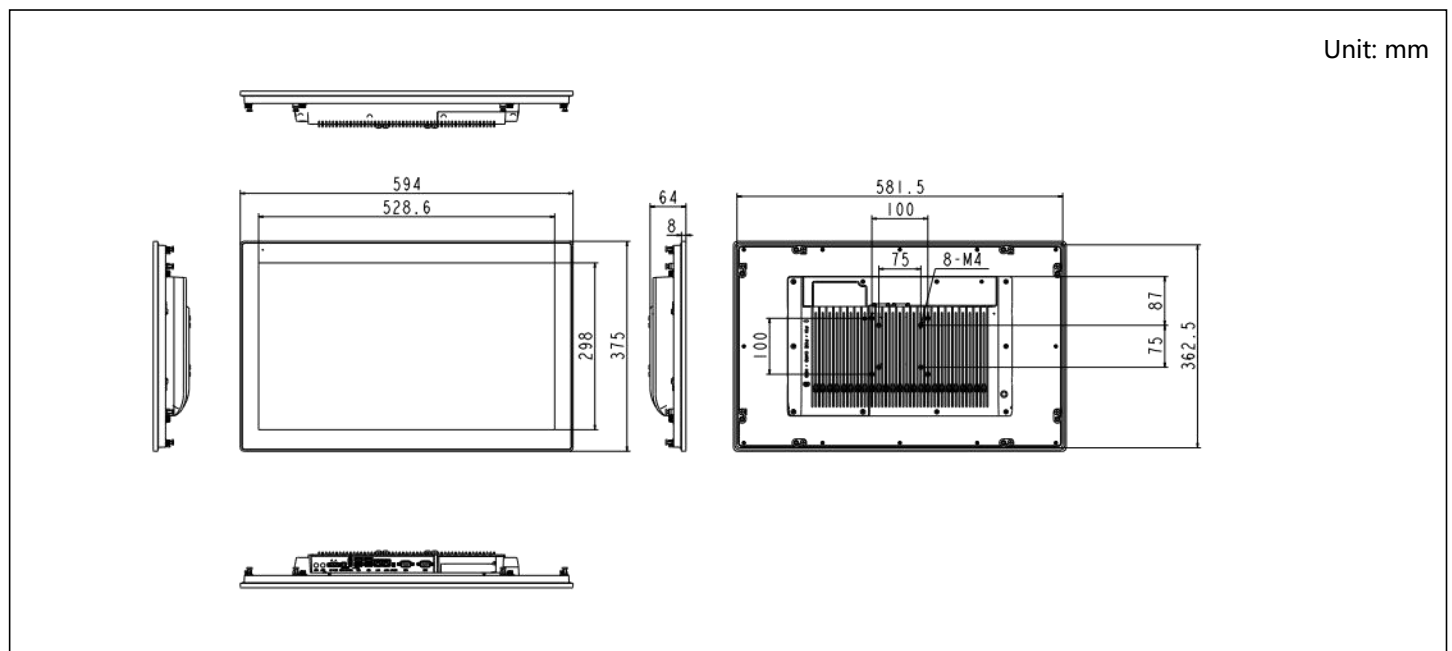


## SPEC.

System	CPU	Intel® Elkhart lake SoC CPU: Celeron J6412 2.0-2.6GHz 4-core 4-thread or Celeron N6210 1.2-2.6GHz dual-core dual-thread
	Chipset	Intel® CPU SoC MCP
	System memory	1*DDR4 3200 MHz SODIMM, up to 32GB
	BIOS	AMI EFI BIOS, 128Mbit SPI flash memory
	Storage	1*2.5" SATA HDD bay, support SATA3.0 6Gbps HDD/SSD; 1*mSATA
	Display	23.8 "1920*1080@60Hz Full HD TFT LCD, 1*HDMI for extended display Intel UHD Graphics or iRIS® X <sup>e</sup> Graphics, Supports the Intel DL boost deep learning to strengthen technology, DirectX12.1, OpenGL 4.6 and OpenCL 3.0, HDMI Max resolution 4096*2304@60Hz
	Expansion	1*Mini PCIe (PCIe&USB signal), supports a functional module with PCIe or USB signals 1*M.2 B-Key Type 3042/3052 with SIM card slot, supports 4G LTE/5G NR
	Audio	Realtek ALC897 controller, support 5.1 channel, 2*3W Speaker
	Real I/O	4*COM: 2*RS232/422/485, 2*RS232, DB9; 1*HDMI; 1*Line out; 4*USB3.2 Type A ; 2*RJ45; 1*3 pin DC-IN terminal pin; 1*Remote SW
	Front I/O	/
	LAN	2*Intel I226V PCIe Gig. Ethernet, 10/100/1000Mbps, support WOL
	Control SW/LED	Power LED, 1*CMOS, 1*AT/ATX, 2-pin terminal remote switch
	Power Supply	DC to DC: 9~36V input, consumption: 26.4W (CPU Celeron J6412 @2.00GHz, 8G DDR4, 128G SSD)
OS	Windows 11*IoT enterprise, Windows 10*IoT enterprise, Android, SUSE, Ubuntu, Wind River, Red Hat*Enterprise, Wind River VxWorks*7, Yocto	
Construction	Aluminum die-casting front bezel, fin-shaped radiator shell	
Mechanical & Environmental	Operating Temperature	0~50°C -HDD( -10~55°C -SSD), with airflow
	Storage Temperature	-20~60°C
	Storage Humidity	10~95%@40 , non-condensing
	Shock	10G peak acceleration(duration 11ms), in operating with HDD
	Vibration	1G 5~500Hz, in operating with HDD
	Mounting	Panel mounting (Cut out: 583*364mm), VESA 75*75mm and 100*100mm
	Dimension	(W*H*D): 594*375*64mm
	Net Weight	7.74KG
EMC	CE,FCC Class A	

LCD	Type	23.8" TFT LED backlight
	Resolution	1920*1080@60Hz
	Color	16.2M
	Pixel Pitch(mm)	0.2745 *0.2745(mm)
	Brightness(cd/m2)	350
	Viewing Angle	89°(left), 89°(right), 89°(up),89°(down)
	Backlight Lifetime	30000 Hours
Touch	Type	Projected capacitive touch
	Resolution	1920*1080
	Light Transmittance	≥85%
	Interface	EETI Industrial grade
	Consumption	+5V @300mA
	OS	Windows/Linux
	Click Lifetime	35 billion times

## Dimension



## Ordering Info

Model NO.	CPU	TOUCH	Description
ALAD-A2310T(P)/ S001	Celeron J6412	Projected Capacitive Touch	Industrial panel computer, 23.8" TFT LCD, 4*COM, 4*USB3.2, 1*USB2.0, 2*LAN, 1*HDMI, 1*Mini PCIe, 1*M.2 B-Key, 1*Line out, 1*2.5" SATA Bay, 1*mSATA, 2*3W Speaker, DC 9~36V power input
ALAD-A2310T(P)/ S002	Celeron N6210		
PA-60DC12	AC/DC power adapter, DC12V@5A ,60W		