

# ALAD-A1210T/T(P)

12.1" TFT LCD Capacitive/Resistive Touch, Intel® Elkhart lake Soc CPU, 4\*COM, 2\*LAN, 4\*USB3.1, 1\*USB2.0, 1\* Line out, 1\*2.5" SATA bay, 1\*mSATA, DC 9~36V

**JHCTECH**

IoT Computer  
Connecting the Data



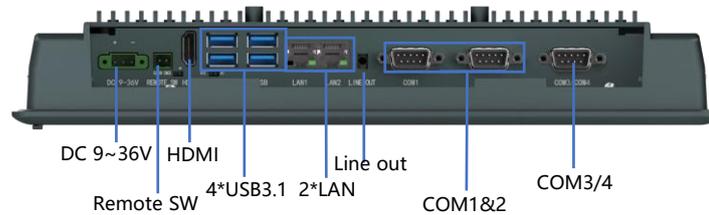
## Key Features

- Aluminum die-casting chassis
- 12.1" TFT LCD, Multi-point Capacitive/Resistive 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\*USB3.1, 1\*8-bit DIO (opt.)
- 2.5" SATA Bay, 1\*mSATA, 1\*Line out, 2\*3W Speaker
- DC 9~36V power input
- Supports the IP65 rating for the front panel
- Standard VESA mount and panel mounting

## Description

ALAD-A1210T/T(P) is a tablet powered by Intel®Tiger lake U series processors. It adopts 12.1 "1024\*768 resolution TFT LCD and fully fits surface projection multi-point Capacitive/Resistive 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 9-36V, aluminum die-cast body without fan heat dissipation, various installation modes, suitable for intelligent MES system and device management HMI.

## I/O View

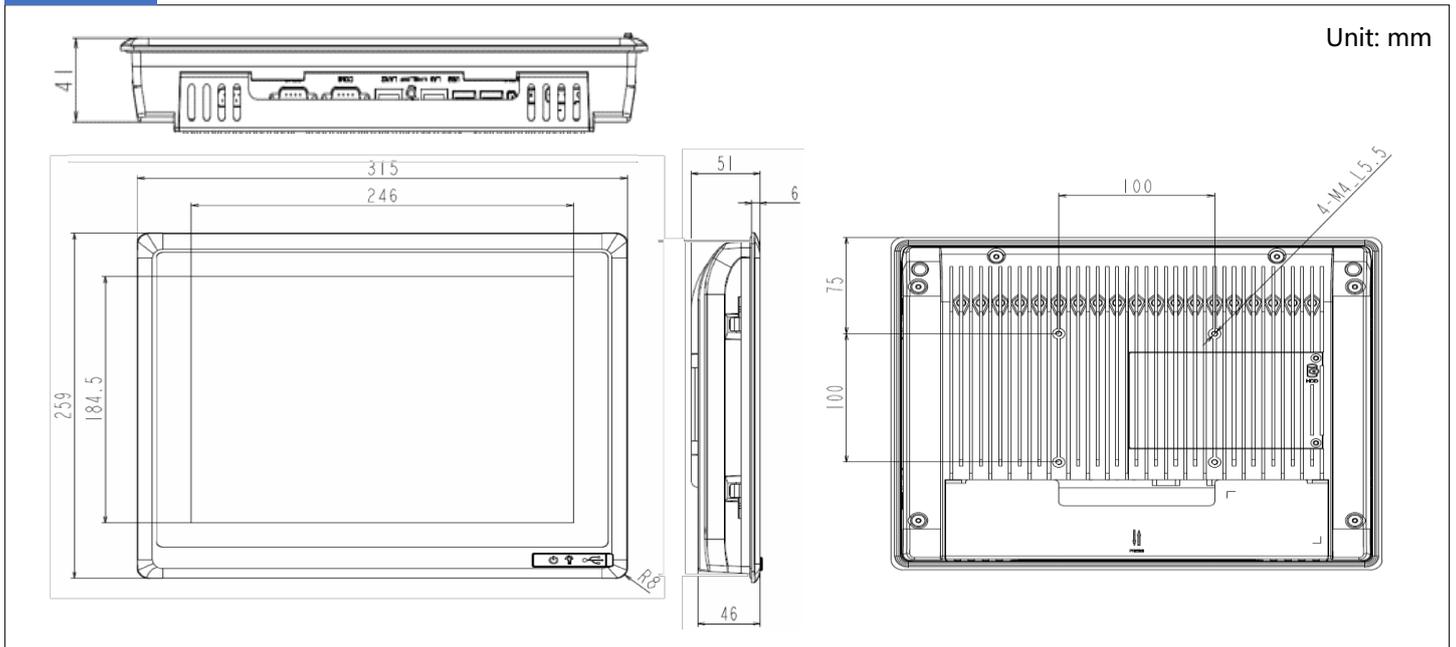


## SPEC.

System	CPU	Intel® Elkhart lake SoC CPU: Celeron J6412 2.0-2.6GHz 4-core 4-thread
	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	12.1 "1024*768@60Hz TFT LCD, 1*HDMI for extended display Intel UHD Graphics or iRIS® Xe Graphics, Supports 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*USB3.1 Type A; 2*RJ45 1*3 pin DC-IN terminal pin; 1*Remote SW
	Front I/O	1*USB2.0
	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 (Celeron J6412, 8G DDR4, 128G SSD)
	OS	Windows 11*IoT enterprise, Windows 10*IoT enterprise, 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

Mechanical & Environmental	Mounting	Panel mounting (Cut out: 303*247mm), VESA 75*75mm and 100*100mm	
	Dimension	(W*H*D): 315*259*51mm	
	Net Weight	2.8KG	
	EMC	CE, FCC Class A	
LCD	Type	12.1" TFT LED backlight	
	Resolution	1024*768@60Hz	
	Color	16.2M	
	Pixel Pitch(mm)	0.240 *0.240(mm)	
	Brightness(cd/m2)	500	
	Viewing Angle	89°(left), 89°(right), 89°(up), 89°(down)	
	Operating Temperature	-20~70°C	
	Backlight Lifetime	30000 Hours	
Touch	Type	5 wire resistive touch	Projected capacitive touch
	Surface Hardness	≥3H	≥6H
	Light Transmittance	83%	90%
	Interface	USB	USB
	Consumption	+5V @200mA	+5V @300mA
	OS	Windows/Linux	Windows/Linux
	Click Lifetime	30 million times	35 million times

### Dimension



### Ordering Info

Model NO.	CPU	Touch Screen	Description
ALAD-A1210T/S001	Celeron J6412	5 wire resistive touch	Industrial panel computer, 12.1" TFT LCD, 4*COM, 4*USB3.1, 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
ALAD-A1210T(P)/S002		Projected capacitive touch	
PA-60DC12	AC/DC power adapter, DC12V@5A, 60W		