

# ALAD-K1220T

Industrial Panel Computer, 12.1" TFT LCD, Capacitive/ Resistive Touch, Intel Skylake-U CPU, 2\*LAN, 4\*USB 3.0

## Overview:

ALAD-K1220T is an intelligent ,fanless embedded panel ,the system powered by Intel Skylake-U Celeron and Core I3/I5/I7 CPU. Supports 12.1 inch 1024\*768@60Hz TFT LCD.It offers multiple I/O interface,1\*2.5"easy-pluggable SATA bay and 1\*M.2 for storage,1\*Mini PCIe socket (PClex1+USB signal) for expansion.DC9~36V wide powerinput, be fit for use in MES and machines HMI.









**JHCTECH**  
Industrial Computing  
Industry Panel Computer  
Model: ALAD-R1520T ■  
ALAD-R1220T ■  
ALAD-R1500T ■  
Input: DC 12V-24V ■  
DC 9V-36V ■

**Caution**  
The product is not intended for use in hazardous locations. For more information, please refer to the user manual. The product is not intended for use in hazardous locations. For more information, please refer to the user manual.

Recycling symbols: ♻️ CE FC  
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Made in China





Feature :

- 1, Aluminum die-casting chassis , fanless design
2. 12.1 inch LED TFT LCD, Capacitive/Resistive touch
3. Intel Skylake-U Core I3/I5/I7 CPU
- 4.1\*DDR4 2133 SODIMM, Max 16GB
5. 1\*Mini PCIe(PCLE+USB )
- 6.2\*COM, 2\*LAN, 4\*USB3.0, 1\*USB2.0
7. 2.5"HDD Bay, 1\*M.2
8. DC 9~36V Power input
- 9.ATX button& remote button

Specification:

System	CPU	Intel Skylake Core I3-6100U 2.3GHz,2C4T,TDP 15W(Optional 3855U,I5-6200U,I7-6500U)
	Chipset	Intel SOC
	System Memory	1*DDR4 2133MHz SODIMM, Max 16GB
	BIOS	Insyde SPI 64Mbit Flash
	Storage	1*2.5"SATA HDD bay, support SATA3.0 6Gbps HDD/SSD,1*M.2(2242B-Key)
	Display	12.1"LED backlight TFT LCD and HDMI(4K resolution), dual display, Intel HD Graphics 510/520
	Touch	5 wire resistive touch optional projected capacitive touch, USB control
	Expansion	1*Mini PCIe (PCle&USB signal)
	Rear I/O	2*COM:1*RS232,1*RS232/422/485,DB9 connector 4*USB3.0 Type A, 1*HDMI, 2*RJ45
	Front I/O	1*USB 2.0 TypeA
	LAN	Intel I210AT chip,10/100/1000 Mbps
	Control SW/LED	Power button,2-pin connecter with power switch signal ,HDD LED
	Power Supply	DC:9~36V input, consumption:TDP12V/2.75A(Intel I5-6200 CPU,4GB memory)
OS	Windows 7, Windows 8.1, Linux, Windows 10, Linux	
Mechanical & Environmental	Construction	Aluminum die-casting front bezel ,fin-shaped radiator shell
	Operating Temperature	0~50C -HDD, (-10~55C -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	1g5~500Hz,in operating with HDD

	Mounting	Panel mounting, VESA 100*100mm	
	Dimension	(W*H*D):315*259*51mm; mounting cut out (W*H):303*247mm	
	Net Weight	2.80kg	
	EMC	CE,FCC, Class A	
LCD	Type	12.1" TFT LED	
	Resolution	1024*768	
	Color	16.2M colors	
	Pixel Pitch(mm)	0.240*0.240(mm)	
	Brightness(cd/m)	500	
	Backlight lifetime	50000 hours	
	Viewing Angle	80Degree(left),80Degree(right),70Degree(up) 70Degree(down)	
	Operating Temperature	-30~70°C	
Touch	Type	5 wire resistive screen	Projected capacitive screen
	Resolution	gapless	gapless
	Light Transmittance	83%	90%
	Interface	USB	USB
	Consumption	+5V@200mA	+5V@300mA
	OS	Windows/Linux	Windows/Linux
	Click Lifetime	35 million times	3 billion times

#### Ordering Info

Model No.	CPU		TOUCH	Description
ALAD-K1220T/T001-G	Intel I3-6100U	Core	5 wire resistive touch	Industrial panel computer,12.1" TFT LCD,HDMI,2*COM(2*RS232/422/485), 5*USB,2*LAN,1*Mini PCIe,2*3W speaker,1*2.5" SATA Bay,1*M.2,DC 9~36 power input
ALAD-K1220T(P)/T001-G	Intel I3-6100U	Core	Projected capacitive touch	
ALAD-K1220T/T002-G	Intel I5-6200U	Core	5 wire resistive touch	
ALAD-K1220T(P)/T002-G	Intel I5-6200U	Core	Projected capacitive touch	
ALAD-K1220T/T003-G	Intel I7-6500U	Core	5 wire resistive touch	
ALAD-K1220T(P)/T003-G	Intel I7-6500U	Core	Projected capacitive touch	
ALAD-K1220T/T004-G	Intel 3855U	Celeron	5 wire resistive touch	
ALAD-K1220T(P)/T004-G	Intel 3855U	Celeron	Projected capacitive touch	



PA-60DC12	AC/DC power adapter,DC12V/5A 60W
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The logo for ARMORTEC, featuring the word "ARMORTEC" in white, uppercase, sans-serif font on a dark blue rectangular background.

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