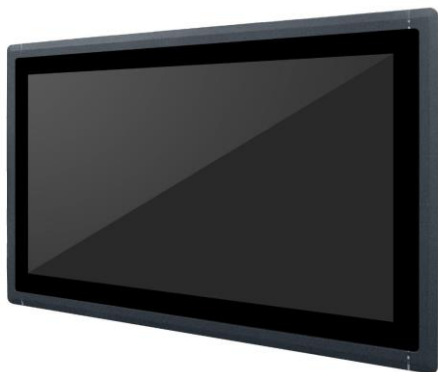


Industrial Panel Computer, Aladdin Family

ALAD-K1820T

18.5" TFT LCD Capacitive/Resistive Touch, Intel® Skylake-U/Kabylake-U CPU, 2*LAN, 4*USB3.0, 1* Line out, DC 9~36V, IP 65 Front panel.

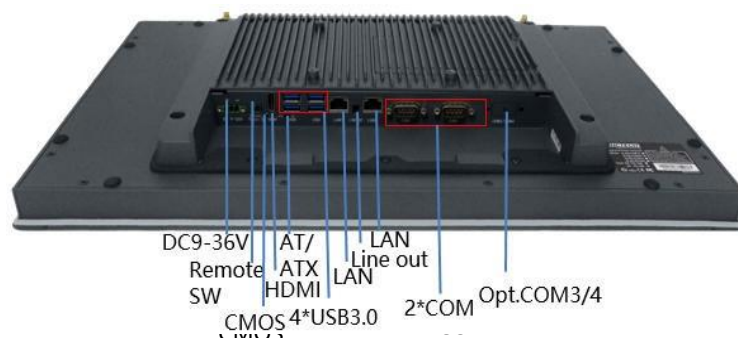


KeyFeatures

- Aluminum die-casting chassis, fanless design
- 18.5" LED TFT LCD, capacitive/resistive touch
- Intel® Skylake-U/Kabylake-U CPU
- 1*DDR4 2133 SODIMM, Max 16GB
- 1*Mini PCIe (PCIe+ USB)
- 2/4*COM, 2*LAN, 4*USB3.0, 1*USB2.0, 1*Line out
- 2.5"HDD Bay, 1*mSATA
- ATX button&remote button
- DC 9~36V powerinput



ALAD-K1820T-G is an intelligent, fanless embedded panel, the system powered by Intel® Skylake-U/Kabylake-U Celeron and Core I3/I5/I7 CPU. Supports 17 inch 1366*768@60Hz TFT LCD. It offers multiple I/O interface, 1*2.5" easy-pluggable SATA bay and 1*mSATA for storage, 1*MiniPCIe socket (PCIex1+ USB signal) for expansion.DC 9~36V wide powerinput, be fit for use in MES and machines HMI.



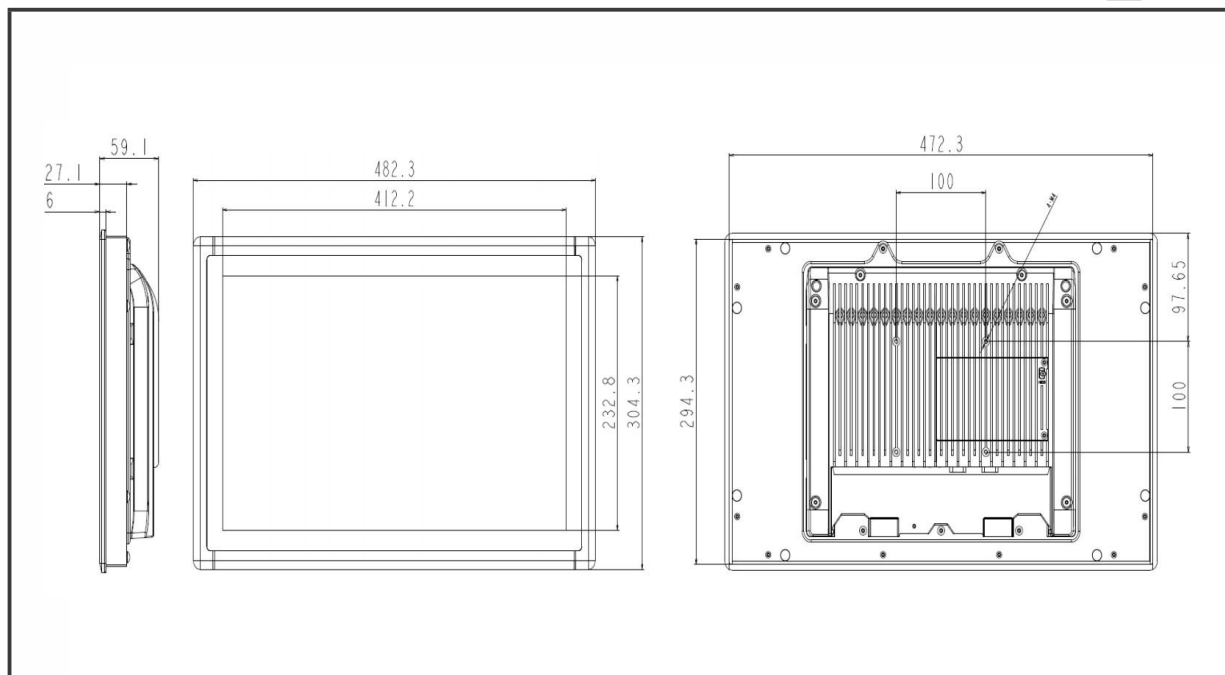
SPEC

System	CPU	Gen. 6th Intel® Skylake-U Celeron 3855U; Core I3-6100U; I5-6200U; I7-6500U CPU
	Chipset	Intel®SOC
	System Wemory	1*DDR4 2133 MHz SODIMM, Max 16GB
	BIOS	Insyde SPI 64Mbit flash
	Storage	1*2.5" SATA HDD bay, support SATA3.0 6Gbps HDD/SSD, 1*mSATA
	Display	18.5" LED backlight TFT LCD and HDWI(4K resolution) , dual display, Intel®HD graphics 510/520
	Touch	5 wire resistive touch optional projected capacitive touch, USB control
	Expansion	1*Mini PCIe(PCIe&USB signal)
	Audio	Realtek ALC662VD controller, Support 5.1 channel, 2*3W Speaker
	Real I/O	2*COM: 2*RS232/422/485,DB9 1*HDMI,1*Line out 4*USB3.0 Type A 2*RJ45
	Front I/O	1*USB2.0 Type A
	LAN	2*Intel I210AT PCIe Gig. Ethernet, 10/100/1000Mbps
	Control SW/LED	1*Cmos, 1*AT/ATX, Power button, 2-pin connector with power switch signal,HDD LED
	Power Supply	DC to DC: 9~36V input, consumption: TDP 12V/3.72A(Intel®I5-6200U CPU, 4GBDDR4)
Mechanical & Environmental	OS	Windows 7, Windows 8.1,Windows 10,Linux
	Construction	Aluminum die-casting front bezel , fin-shaped radiator shell
	Operating Temperature	0~50℃ -HDD(-10~55℃ -SSD), with airflow
	Storage Temperature	-20~60℃
	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, VESA 100*100, Rack mounting
	Dimension	(W*H*D):482.3*304.3*59.1mm; mounting cut out(W*H): 473.5*295.5mm
	Net Weight	6.63kg
	EMC	CE,FCC Class A

LCD	Type	18.5" TFT LED
	Resolution	1366*768
	Color	16.7M colors
	Pixel Pitch(mm)	0.300*0.300
	Brightness(cd/m2)	300
	Viewing Angle	85 Degree (left) , 85 Degree (right) , 80 Degree (up) , 80 Degree (down) ,
	Operating Temperature	0~60℃
Touch	Backlight Lifetime	50,000 hours
	Type	Projected capacitive touch
	Resolution	gapless
	Light Transmittance	90%
	Interface	USB
	Consumption	+5V @ 300mA
	OS	Windows/Linux
	Click Lifetime	3 billion times

Dimension

Unit: mm



Ordering Info.

Model NO.	CPU	TOUCH	Description
ALAD-K1820T(P)/ T001-G	Intel® Core I3-6100U Intel® Core I3-7100U	projected capacitive touch	Industrial panel computer, 18.5" TFT LCD, HDMI, 2*COM(2*RS232/422/485),4*USB, 2*LAN, 1*Mini PCIe, 1*Line out, 2*3W speaker,1*2.5" SATA Bay, 1*mSATA, DC 9~36 power input.
ALAD-K1820T(P)/ T002-G	Intel® Core I5-6200U Intel® Core I5-7200U	projected capacitive touch	
ALAD-K1820T(P)/ T003-G	Intel® Core I7-6500U Intel® Core I7-7500U	projected capacitive touch	
ALAD-K1820T(P)/ T004-G	Intel® Celeron 3855U Intel® Celeron 3865U	projected capacitive touch	
PA-60DC12	AC/DC power adapter, DC12V/5A 60W		

* All specifications and photos are subject to change without notice.

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