

## Industrial Panel Computer, Aladdin Family

# ALAD-K1920T

19.0" TFT LCD Capacitive/Resistive Touch, Intel® Skylake-U/Kabylake-U CPU, 2\*LAN, 4\*USB3.0, 1\* Line out, 1\*PCI/PCIe X1, DC 9~36V, IP 65 Front panel.



ALAD-K1920T-G is an intelligent, fanless embedded panel, the system powered by Intel® Skylake-U/Kabylake-U Celeron and Core I3/I5/I7 CPU. Supports 19.0inch 1280\*1024@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) and PCI/PCIe X1 for expansion. DC 9~36V wide powerinput, be fit for use in MES and machines HMI.

### KeyFeatures

- Aluminum die-casting chassis, fanless design
- 19.0" LED TFT LCD, capacitive/resistive touch
- Intel® Skylake-U/Kabylake-U CPU
- 1\*DDR4 2133 SODIMM, Max 16GB
- 1\*Mini PCIe (PCIe+ USB), Opt.1\*32-bit PCI/PCIe X1
- 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



DC9-36V Remote SW CMOS AT/ATX SW HDMII 4\*USB3.0 LAN Line out LAN 2\*COM Opt.2\*COM/1\*PCIe/PCI

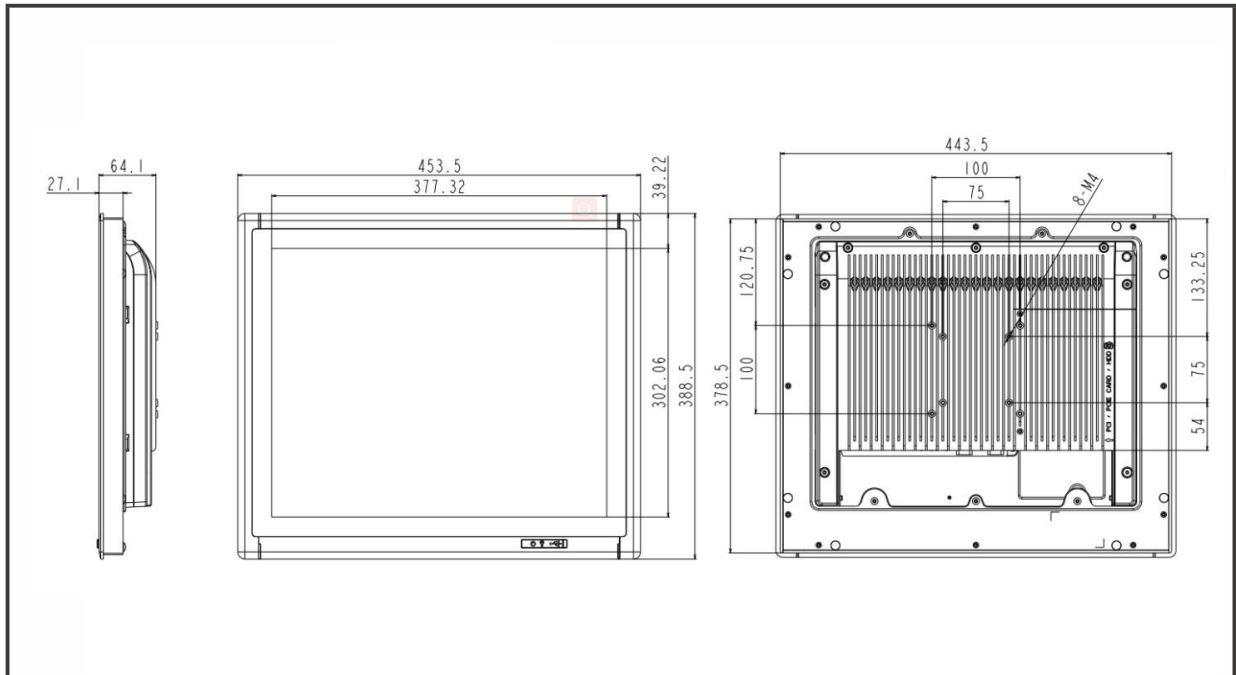
### SPEC

System	CPU	Gen. 6th Intel® Skylake-U Celeron 3855U; Core I3-6100U; I5-6200U; I7-6500U CPU Gen. 7th Intel® Kabylake-U Celeron 3865U; Core I3-7100U; I5-7200U; I7-7500U 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	19.0" 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), Opt.1*32-bit PCI or 1*PCIeX1
	Audio	Realtek ALC662VD controller, Support 5.1 channel, 2*3W Speaker
	Real I/O	4*COM:2*RS232, 2*RS232/422/485, DB9(when using PCI/PCIe, there are only 2*COM) 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/4.44A(Intel® I5-6200U CPU, 4GB DDR4)
OS	Windows 7, Windows 8.1, Windows 10, Linux	
Mechanical & Environmental	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 Humidty	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 and 75*75mm, Rack mounting
	Dimension	(W*H*D):453.5*388.5*64.1mm; mounting cut out(W*H): 445.0*380.0mm
	Net Weight	6.9kg
	EMC	CE, FCC Class A

LCD	Type	19.0" TFT LED	
	Resolution	1280*1024	
	Color	16.7M	
	Pixel Pitch(mm)	0.294*0.294	
	Brightness(cd/m2)	470	
	Viewing Angle	85 Degree (left) , 85 Degree (right) , 85 Degree (up) , 85 Degree (down) ,	
	Operating Temperature	-15~65℃	
	Backlight Lifetime	50,000 hours	
Touch	Type	5 wire resistive touch	Projected capacitive touch
	Resolution	gapless	gapless
	Light Transmittance	83%	90%
	Interface	USB	USB
	Consumption	+ 5V @ 200mA	+ 5V @ 300mA
	OS	Windows/Linux	Windows/Linux
	Click Lifetime	35 milliontimes	3 billion times

### Dimension

Unit: mm



### Ordering Info.

Model NO.	CPU	TOUCH	Description
ALAD-K1920T/T001-G	Intel®I3-6100U/I3-7100U	5 wire resistive touch	Industrial panel computer, 19.0" TFT LCD, 4*COM(or 2*COM+ 1*PCI/PCIe X1), 5*USB, 2*LAN, 1*Mini PCIe, HDMI, 1*Line out, 1*2.5" SATA bay 1*mSATA, 2*3W speaker, DC 9~36V power input
ALAD-K1920T(P)/T001-G	Intel®I3-6100U/I3-7100U	projected capacitive touch	
ALAD-K1920T/T002-G	Intel®I5-6200U/I5-7200U	5 wire resistive touch	
ALAD-K1920T(P)/T002-G	Intel®I5-6200U/I5-7200U	projected capacitive touch	
ALAD-K1920T/T003-G	Intel®I7-6500U/I7-7500U	5 wire resistive touch	
ALAD-K1920T(P)/T003-G	Intel®I7-6500U/I7-7500U	projected capacitive touch	
ALAD-K1920T/T004-G	Intel® Celeron 3855U/3865U	5 wire resistive touch	
ALAD-K1920T(P)/T004-G	Intel® Celeron 3855U/3865U	projected capacitive touch	
PA-60DC12	AC/DC power adapter, DC12V/5A60W		

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