

# ALAD-K1520T

15.0" TFT LCD Capacitive/Resistive Touch, Intel® Skylake-U CPU 2\*LAN 4\*USB3.0

## Key Features

- Aluminum die-casting chassis, fanless design
- 15.0" LED TFT LCD, capacitive/resistive touch
- Intel® Skylake-U Core I3/I5/I7 CPU
- 1\*DDR4 2133 SODIMM, Max 16GB
- 1\*Mini PCIe, Optional 1\*PCI/PCIe X1
- 4\*COM, 2\*LAN, 4\*USB3.0, 1\*USB2.0
- 2.5" HDD Bay, 1\*M.2
- ATX button & remote button
- DC 9~36V power input



## SPEC

System	CPU	Intel® Skylake Core I3-6100U 2.3GHz, 2C4T, TDP 15W(Optional I5-6200U,I7-6500U) Intel® Skylake Celeron 3855U 1.6GHz, 2C2T,TDP 15W
	Chipset	Intel® SOC
	System Memory	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*M.2 (2242 B-Key)
	Display	15.0" 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 optiona :1*32 bit PCI or 1*PCIeX1
	Real I/O	4*COM: 2*RS232, 2*RS232/422/485, DB9(When using PCI/PCIe, there are only 2*COM) 4*USB3.0 Type A 1*HDMI 2*RJ45
	Front I/O	1*USB2.0 Type A
	LAN	Intel® I210AT chip, 10/100/1000 Mbps
Control SW/LED	Power button, 2-pin connector with power switch signal,HDD LED	
Power Supply	DC to DC: 9~36V input, consumption: TDP 12V/2.95A(Intel® I5-6200U CPU, 4GB memory)	
OS Supply	Windows 7, Windows 8.1,Windows 10.Linux	
Mechanical & Environmental	Construction	Aluminum die-casting front bezel and chassis, fin-shaped radiator shell
	Operating Temperature	0~50℃ -HDD( -10~55℃ -SSD), with air-flow
	Storage Temperature	-20~60℃
	Storage Humidity	10~95%@40 , non-condensing
	Shock	10g peak acceleration(duration 11ms), in operating with HDD
Mechanical & Environmental	Vibration	1g 5~500Hz, in operating with HDD
	Mounting	Panel mounting, VESA 100*100 and 75*75mm
	Dimension	(W*H*D):380*315*56mm; mounting cut out(W*H): 367.3*303.3mm
	Dimension	4.3kg
	EMC	CE,FCC Class A

## SPEC

LCD	Type	15.0" TFT LED	
	Resolution	1024*768	
	Color	16.2M colors	
	Pixel Pitch(mm)	0.297*0.297	
	Brightness(cd/m2)	350	
	Viewing Angle	80 Degree(left), 80 Degree(right), 80 Degree(up), 80 Degree(down)	
	Operating Temperature	-20~70℃	
	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 million times	3 billion times

### List of ALAD-K1520T (For order information).

Model NO.	CPU	TOUCH	Description
ALAD-K1520T/ T001-G	Intel® Core I3-6100U	5 wire resistive touch	Industrial touch panel computer, 15.0" TFT LCD, HDMI, 4*COM(or 2*COM+ 1*PCI/PCIeX1), 5*USB, 2*LAN, 1*Mini PCIe, 2*3W speaker, 1*2.5" SATA Bay, 1*M.2, DC 9~36 power input.
ALAD-K1520T(P) / T001-G	Intel® Core I3-6100U	projected capacitive touch	
ALAD-K1520T/ T002-G	Intel® Core I5-6200U	5 wire resistive touch	
ALAD-K1520T(P) / T002-G	Intel® Core I5-6200U	projected capacitive touch	
ALAD-K1520T/ T003-G	Intel® Core I7-6500U	5 wire resistive touch	
ALAD-K1520T(P) / T003-G	Intel® Core I7-6500U	projected capacitive touch	
ALAD-K1520T/ T004-G	Intel® Celeron 3855U	5 wire resistive touch	
ALAD-K1520T(P) / T004-G	Intel® Celeron 3855U	projected capacitive touch	
PA-60DC12	AC/DC power adapter. DC12V/5A 60W		

### List of other ALAD Models.

#### ALAD-K1220T



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

#### ALAD-K1720T



- Aluminum alloy die-casting, fanless design
- 17.0 inch LED, TFT LCD, resistive / capacitive screen
- Intel® Skylake-U Core I3/I5/I7 Soc CPU
- 1\*DDR4 2133 SODIMM with up to 16GB
- 1\*Mini PCIe, optional 1\*PCI or 1\*PCIeX1
- 4\*COM, 2\*LAN, 4\*USB3.0, 1\*USB2.0
- 2.5-inch SATA disk, 1\*M.2
- ATX switch, remote switch DC 9~36V power input

#### ALAD-K1820T(P)



- Aluminum die-casting chassis, fanless design
- 18.5" LED TFT LCD, capacitive touch
- Intel® Skylake-U Core I3/I5/I7 CPU
- 1\*DDR4 2133 SODIMM, Max 16GB
- 1\*Mini PCIe (PCIe+USB)
- 2\*COM, 2\*LAN, 4\*USB3.0
- 2.5" HDD Bay, 1\*M.2
- ATX button & remote button
- DC 9~36V power input

#### ALAD-K1920T



- 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(PCIeX1+USB), Optional 1\*PCI/PCIeX1
- 2/4\*COM, 2\*LAN, 4\*USB3.0, 1\*USB2.0
- 1\*2.5" HDD Bay, 1\*M.2
- ATX button & Remote button
- DC 9~36V power input