

Industrial Panel Computer, Aladdin Family

ALAD-K1520T

15.0" TFT LCD Capactive/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

ALAD-K1520T-G is an intelligent, fanless embedded panel computer, powered by Intel® Skylake-U Celeron and Core I3/I5/I7 CPU. Supports 15 inch 1024*768@60Hz TFT LCD. It offers multiple I/O interface, 1*2.5" SATA bay and 1*M.2 for storage, 1*Mini PCIe socket (PCIex1+USB signal) and optional PCI/PCIeX1.DC9~36V wide powerinput,be fit for use in MES and machines HMI.



SPEC

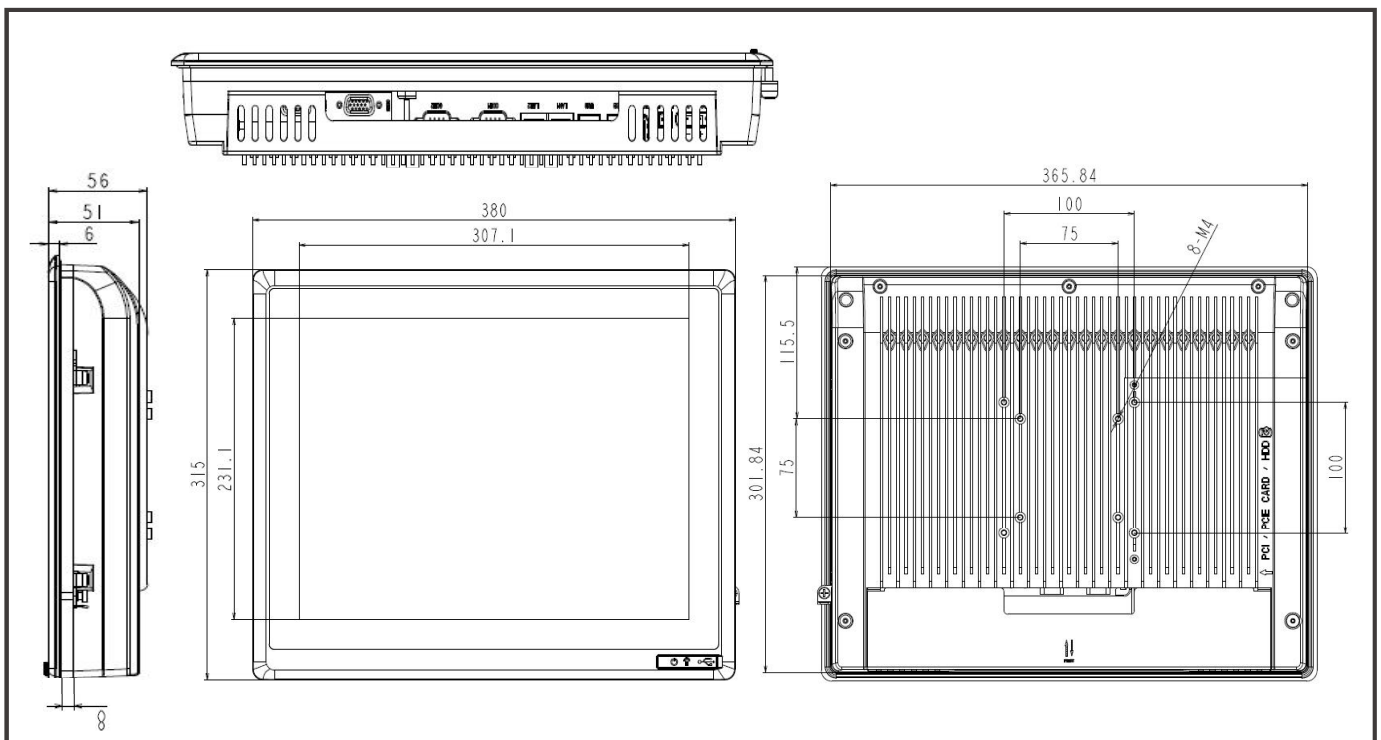
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|-----------------------|----------------------------|--|
| System | CPU | Intel® Skylake Core I3-6100U 2.3GHz, 2C4T, TDP 15W(Optional I5-6200U,I7-6500U) Intel® Skylake Celeron 3855U 1.6GHz, 2C2T,TDP 15W |
| | Chipset | Intel® SOC |
| | System Memory | 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(PCIe&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 |
| | Mechanical & Environmental | Construction |
| 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 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 |

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

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|-------|-----------------------|---|----------------------------|
| 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 |

Dimension

Unit:mm



Ordering Info

| 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 | | |

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Updated Jan. 18, 2018.