

## Industrial Panel Computer, Aladdin Family

# ALAD-K1520T

15.0" 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.



### KeyFeatures

- Aluminum die-casting chassis, fanless design
- 15.0" 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



ALAD-K1520T-G is an intelligent, fanless embedded panel, the system powered by Intel® Skylake-U/Kabylake-U Celeron and Core I3/I5/I7 CPU. Supports 15.0inch 1024\*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) and PCI/PCIe X1 for expansion. DC 9~36V wide powerinput, be fit for use in MES and machines HMI.



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

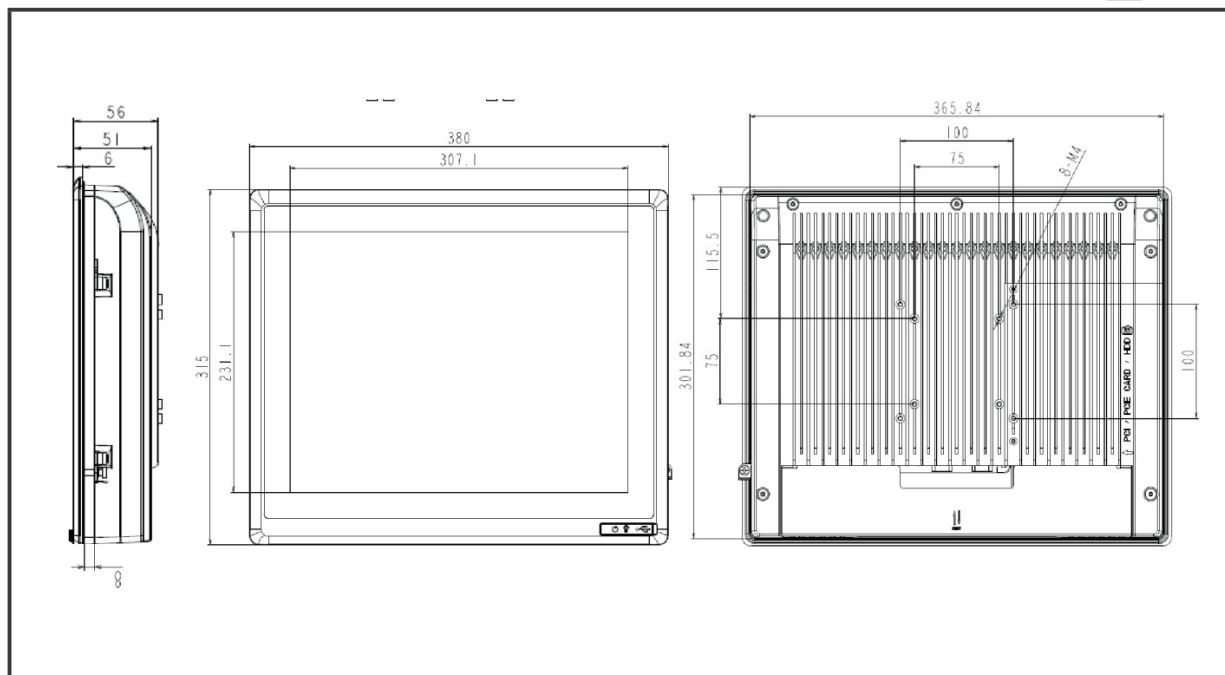
### SPEC

|                       |                            |  |
|-----------------------|----------------------------|--|
| System                | CPU                        | Gen. 6th Intel® Skylake-U Celeron 3855U; Core I3-6100U; I5-6200U; I7-6500U CPU                 |
|                       | Chipset                    | Gen. 7th Intel® Kabylake-U Celeron 3865U; Core I3-7100U; I5-7200U; I7-7500U CPU                |
|                       | System Wemory              | Intel®SOC  |
|                       | BIOS                       | 1*DDR4 2133 MHz SODIMM, Max 16GB   |
|                       | Storage                    | Insyde SPI 64Mbit flash  |
|                       | Display                    | 1*2.5" SATA HDD bay, support SATA3.0 6Gbps HDD/SSD, 1*mSATA                                    |
|                       | Touch                      | 15.0" LED backlight TFT LCD and HDWI(4K resolution) , dual display, Intel® HD graphics 510/520 |
|                       | Expansion                  | 5 wire resistive touch optional projected capacitive touch, USB control                        |
|                       | Audio                      | 1*Mini PCIe(PCIe&USB signal).Opt.1*32-bit PCI or 1*PCIeX1                                      |
|                       | Real I/O                   | Realtek ALC662VD controller, Support 5.1 channel, 2*3W Speaker                                 |
|                       | Front I/O                  | 4*COM:2*RS232, 2*RS232/422/485, DB9(when using PCI/PCIe, there are only 2*COM)                 |
|                       | LAN                        | 1*HDMI,1*Line out  |
|                       | Mechanical & Environmental | Construction   |
| Operating Temperature |                            | 2*RJ45   |
| Storage Temperature   |                            | 1*USB2.0 Type A  |
| Storage Humidity      |                            | 2*Intel I210AT PCIe Gig. Ethernet, 10/100/1000Mbps   |
| Shock                 |                            | 1*Cmos,1*AT/ATX, Power button, 2-pin connector with power switch signal,HDD LED                |
| Vibration             |                            | DC to DC: 9~36V input, consumption: TDP 12V/2.95A(Intel® I5-6200U CPU, 4GB DDR4)               |
| Mounting              |                            | OS   |
| Dimension             |                            | Windows 7, Windows 8.1, Windows 10, Linux  |
| Net Weight            |                            | Construction Aluminum die-casting front bezel , fin-shaped radiator shell                      |
| EMC                   |                            | Operating Temperature 0~50℃ -HDD( -10~55℃ -SSD), with airflow                                  |

|       |                       |   |                            |
|-------|-----------------------|---|----------------------------|
| 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) , 80Degree (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 milliontimes   | 3 billion times            |

### Dimension

Unit: mm



### Ordering Info.

| Model NO.             | CPU                              | TOUCH                      | Description  |
|-----------------------|----------------------------------|----------------------------|--|
| ALAD-K1520T/T001-G    | Intel®I3-6100U/I3-7100U          | 5 wire resistive touch     | Industrial panel computer, 15.0" 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-K1520T(P)/T001-G | Intel®I3-6100U/I3-7100U          | projected capacitive touch |  |
| ALAD-K1520T/T002-G    | Intel®I5-6200U/I5-7200U          | 5 wire resistive touch     |  |
| ALAD-K1520T(P)/T002-G | Intel®I5-6200U/I5-7200U          | projected capacitive touch |  |
| ALAD-K1520T/T003-G    | Intel®I7-6500U/I7-7500U          | 5 wire resistive touch     |  |
| ALAD-K1520T(P)/T003-G | Intel®I7-6500U/I7-7500U          | projected capacitive touch |  |
| ALAD-K1520T/T004-G    | Intel® Celeron 3855U/3865U       | 5 wire resistive touch     |  |
| ALAD-K1520T(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.

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