

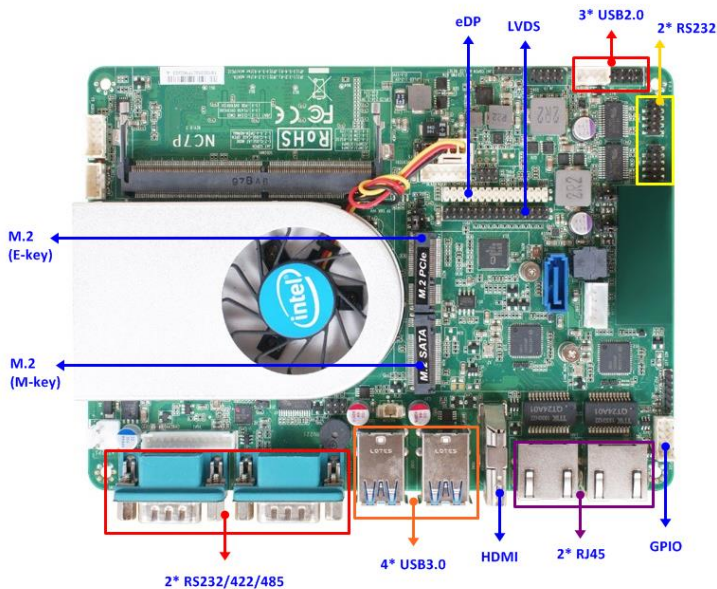
## JNC7P-E7100

Intel® Kaby Lake-7100U SoC processor, DDR4 up to 16GB, support 9~24V DC-in

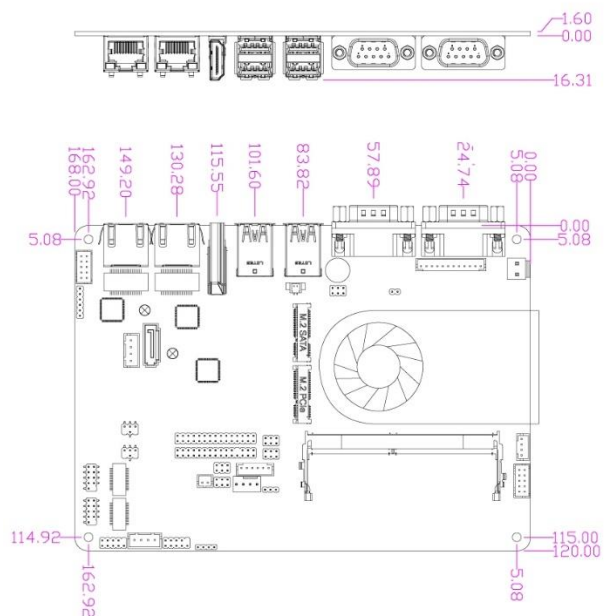
1. Intel® Kaby Lake-7100U SoC (CO-LAY I3/I5/I7 Series)
2. Onboard Intel® 7100U 2.4GHz Dual Cores CPU
3. 1\* DDR4/2133 SO-DIMM up to 16GB
4. Onboard 1\* M.2 E key(2230), 1\* M.2 M key(2242)
5. 2\* Intel GbE, 4\* USB3.0, 3\* USB2.0, 4\* COM (COM1/2 Support RS232/422/485)
6. Support VGA/HDMI/LVDS Display (Co-lay eDP)
7. Onboard 9~24V DC-in
8. EPIC Form Factor (120mm x168mm)



### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

|   |  |
|---|--|
| <b>Model</b>  | <b>Form Factor</b>   |
| JNC7P-E7100   | EPIC (120 * 168mm)   |
| <b>Processor System</b>   | <b>Expansion Slot</b>  |
| <ul style="list-style-type: none"><li>Intel® Kaby Lake-i3 7100U 2.4GHz Dual Cores CPU</li><li>SoC chipset</li><li>AMI 128M Flash ROM</li></ul>  | <ul style="list-style-type: none"><li>1* M.2 M key</li><li>1* M.2 E key</li><li>Optional PCIe x4</li></ul>   |
| <b>Memory</b>   | <b>Graphics</b>  |
| 1* SO-DIMM DDR4 2133MHz DRAM up to 16GB   | <ul style="list-style-type: none"><li>Intel® HD Graphics 620, shared memory</li><li>1* VGA (Max. Resolution: 1920x1200@60Hz)</li><li>1* LVDS (CO-Lay eDP, Max. Resolution:1920 x 1080@60Hz)</li><li>1* DP 1.3 (CO-Lay LVDS, Max Resolution: 4096x2304@60Hz)</li><li>1* HDMI 1.4 (Max Resolution: 4096x2304@24Hz)</li><li>Support Triple Displays</li></ul> |
| <b>Ethernet</b>   | <b>Audio</b>   |
| 2* Intel 211AT GbE  | <ul style="list-style-type: none"><li>HD audio: Realtek ALC662</li><li>FP_AUDIO, 3W Amplifier Speaker out</li></ul>  |
| <b>SATA</b>   | <b>Rear I/O</b>  |
| 1* SATAIII (6.0Gb/s)  | <ul style="list-style-type: none"><li>1* HDMI</li><li>2* RJ45</li><li>4* USB 3.0</li><li>2* RS232/422/485</li></ul>  |
| <b>Internal Connector</b>   | <b>Watchdog Timer</b>  |
| <ul style="list-style-type: none"><li>3* USB 2.0</li><li>1* PS/2</li><li>1* LVDS / Inverter</li><li>1* eDP (CO-LAY LVDS, Option)</li><li>1* VGA</li><li>2* RS232</li><li>1* SATAIII (6.0Gb/s)</li><li>1* M.2 M key (2242)</li><li>1* M.2 E key (2230)</li><li>1* GPIO (8 bit, 5V)</li><li>1* Chassis intrusion</li><li>1* Audio Header</li><li>1* AT mode</li></ul> | <ul style="list-style-type: none"><li>From Super I/O to drag RESETCON#</li><li>256 segments (0 ~ 255sec)</li></ul>   |
| <b>Power</b>  | <b>Compliance</b>  |
| 9~24V DC-in (2-pin PWR Con), AT/ATX Supported<br>- AT: Directly PWR on as Power input ready<br>- ATX: Press Button to PWR on after Power input ready  | CE, FCC, RoHS, REACH   |
| <b>Temperature</b>  | <b>Warranty</b>  |
| <ul style="list-style-type: none"><li>Operating: 10°C ~ 60°C</li><li>Storage: -20°C ~ 70°C</li></ul>  | 2 Years Limited Warranty   |

\* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Accessories

| Parts Number | Description     | Parts Number     | Description   |
|--------------|-----------------|------------------|---------------|
| -----        | JNC7P-E7100 M/B | G01-COM-H2M22-1F | COM cable     |
|              |                 | G01-SATA3-BL-1F  | SATAIII cable |