

JLZ0F-90 Series

Intel® Gen. 11 Tiger Lake-UP3 SoC Processor, 1135G7 chipset, M.2 PCIe 4.0 x4 supports NVMe, 4* COM, 2* USB3.2 (Gen1), 2* GbE

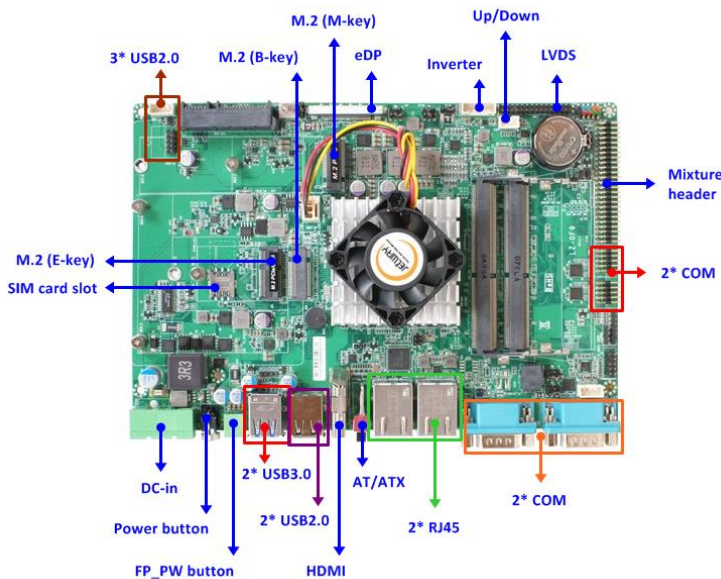
1. Intel® Tiger Lake-UP3 SoC Processor (TDP 12~28W)
2. 2* DDR4 3200MHz SO-DIMM up to 64GB
3. 1* Intel i219-LM GbE, 1* Intel i211AT GbE
4. 1* HDMI2.0, 1* eDP, 1* LVDS
5. 2* RS232, 2* RS232/422/485, 2* USB3.2 (Gen1), 5* USB2.0
6. 1* SATAIII, 1* SIM card slot
7. 1* M.2 M-key (2242/2280), PCIe 4.0 x4 interface supports NVMe
8. 1* M.2 E-key (2230), USB2.0/PCIe x1 interface support CNVi
9. 1* M.2 B-key (3042/3052/6570), USB3.2/USB2.0 /PCIe x1 interface supports 4/5G Module
10. 1* Mixture Header (2* UART, 2* USB2.0, 1* LPC, 1* GPIO)
11. Onboard TPM 2.0 (JLZ0F-92 option)
12. 12~36V DC-in



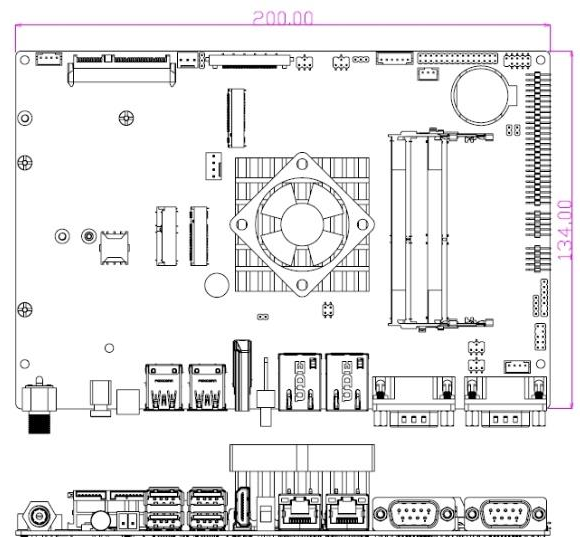
I/O Diagram

Panel PC / Factory Automation

I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

| | |
|--|--|
| Model | Form Factor |
| <ul style="list-style-type: none">JLZ0F-90 (i5-1135G7 Default)JLZ0F-92 (i5-1135G7, TPM2.0) | 5.5" (200 * 135mm) |
| Processor System | Expansion Slot |
| <ul style="list-style-type: none">Intel® Tiger Lake SoC Processor 2.4G/QC (TDP 12~28W)Intel® i5-1135G7 chipsetAMI Flash ROM BIOS | <ul style="list-style-type: none">1* M.2 E-key (2230) USB2.0/PCIex1 interface supports CNVi1* M.2 B-key (3042/3052/6570) supports 3G/4G/5G Module)1* SIM card slot |
| Memory | Graphics |
| 2* DDR4 3200MHz Dual Channel SO-DIMM up to 64GB | <ul style="list-style-type: none">Intel® HD Graphics, shared memory1* eDP (Max Resolution: 4096 x 2304@60Hz)1* LVDS (Max Resolution: 1920 x 1200@60Hz)1* HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)Support Triple Independent Displays |
| Ethernet | Audio |
| <ul style="list-style-type: none">1* Intel i219-LM GbE1* Intel i211AT GbE | <ul style="list-style-type: none">HD audio: REALTEK codec3W AMP speaker |
| SATA | Rear I/O |
| <ul style="list-style-type: none">1* SATAIII (7+15pin, 6Gb/s)1* M.2 M-key (2242/2280), PCIe 4.0 x4interface, supports NVMe | <ul style="list-style-type: none">2* USB3.2 (Gen1)2* USB2.01* HDMI2* RJ452* RS232/422/4851* AT/ATX Mode1* Power Button1* Front Power Button12~36V DC-in |
| Internal Connector | Watchdog Timer |
| <ul style="list-style-type: none">3* USB2.01* PS/21* LVDS / Inverter/Light UP/Down1* eDP2* RS2321* 3W Speaker1* SATAIII2* M.2 (E-key, B-key)1* SIM card slot1* Mixture Header (2* UART, 1* GPIO (16 bit), 2* USB2.0, 1* LPC)1* Chassis intrusion1* Audio header1* SMBUSSupport onboard TPM2.0 (JLZ0F-92 optional) | <ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments (10sec ~ 255min) |
| Power | Compliance |
| DC-in12-36V, AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready - 90W adaptor is Recommended | CE, FCC, LVD, RoHS, REACH (For Panel PC) |
| Temperature | OS Support |
| <ul style="list-style-type: none">Operating: 0°C ~ 50°CStorage: -20°C ~ 70°CHumidity: 10% ~ 90% RH @40°C (non-condensing) | Windows 10, Linux |
| Warranty | |
| 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 |
|--------------|---------------------|--------------|-------------|
| ----- | JLZ0F-90 Series M/B | | |