

JLZ0FV-90 Series

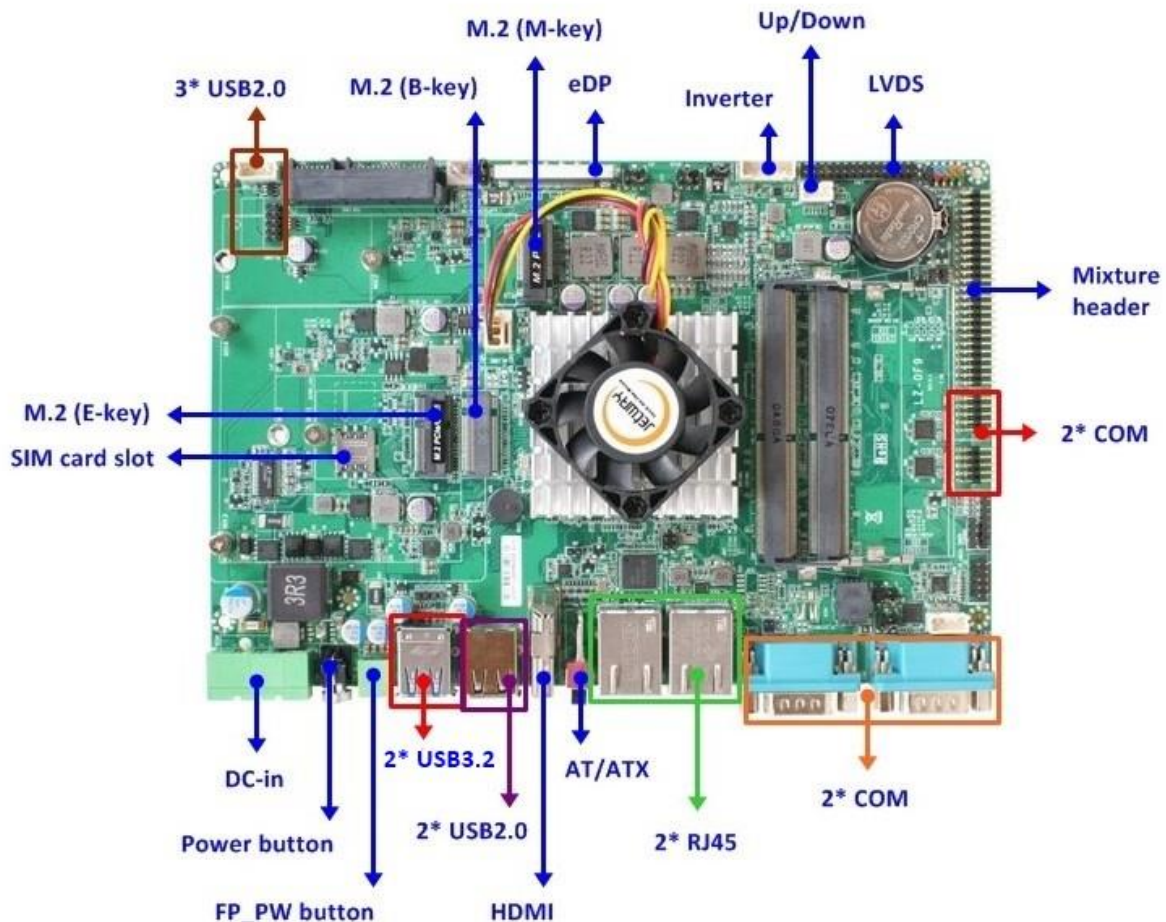
Intel® Gen. 11 Tiger Lake-UP3 SoC Processor, 1135G7 chipset, M.2 PCIe 4.0 x4 supports NVMe, 4* COM, 2* USB3.2 (Gen.2), 1* GbE, 1* 2.5GbE

Features

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 i225-V 2.5GbE
4. 1* HDMI2.0, 1* eDP, 1* LVDS
5. 2* RS232, 2* RS232/422/485, 2* USB3.2 (Gen2), 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 supports 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 (JLZ0FV-92 option)
12. 12~36V DC-in



I/O Diagram



Specifications

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|---|--|
| Model <ul style="list-style-type: none">JLZ0F-90 (i5-1135G7 Default)JLZ0F-92 (i5-1135G7, TPM2.0) | Form Factor <p>5.5" (200 * 135mm)</p> |
| Processor System <ul style="list-style-type: none">Intel® Tiger Lake i5-1135G7 SoC Processor 2.4G/QC (TDP 12~28W)AMI 128Mb Flash ROM BIOS | Memory <p>2* DDR4-3200 Dual Channel SO-DIMM up to 64GB</p> |
| Storage <ul style="list-style-type: none">1* SATAIII (7+15pin)M.2 M-key 2242/2280, PCIe 4.0 x4interface, support NVMe | Expansion <ul style="list-style-type: none">1* M.2 E-key (2230, USB2.0/PCIex1 interface support CNVi)1* M.2 B-key (3042/3052/6570) supports 3G/4G/5G Module)1* SIM Card Holder (Nano) |
| Ethernet <ul style="list-style-type: none">1* Intel® i219LM GbE1* Intel® i225-V 2.5GbE | Graphics <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 |
| Audio <ul style="list-style-type: none">HD audio: REALTEK codec3W Amplifier speaker | Watchdog Timer <ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments (10sec ~ 255min) |
| Internal I/O <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 (JLZ0FV-92 optional) | External I/O <ul style="list-style-type: none">2* USB3.2 (Gen2)2* USB2.01* HDMI2* RJ452* RS232/422/4851* AT/ATX Mode1* Power Button1* Front Power Button12~36V DC-in |
| Power <p>DC-in 12~36V, AT/ATX Supported</p> <p>- AT: Directly PWR on as Power input ready</p> <p>- ATX: Press Button to PWR on after Power input ready</p> | Compliance <p>CE, FCC, RoHS, REACH (For Panel PC)</p> |
| Temperature <ul style="list-style-type: none">Operating Temperature: 0 ~ 60° CStorage Temperature: -20 ~ 85° CHumidity: 10% ~ 90% RH @40°C (non-condensing) | OS Support <p>Windows 10, Linux</p> |
| Warranty <p>2 Years limited warranty</p> | |

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

Standard Accessories

| Part Number | Description |
|-------------|------------------------------|
| JLZ0FV-90 | JLZ0FV-90 M/B |
| JLZ0FV-92 | JLZ0FV-92 M/B support TPM2.0 |

