

# JLZ0FV-00 Series

Intel® Gen. 11 Tiger Lake-UP3 SoC Processor, 6305E chipset, M.2 PCIe 4.0 x4 supports NVMe, 4\* COM, 2\* USB3.2 (Gen.2), 1\* GbE, 1\* 2.5GbE

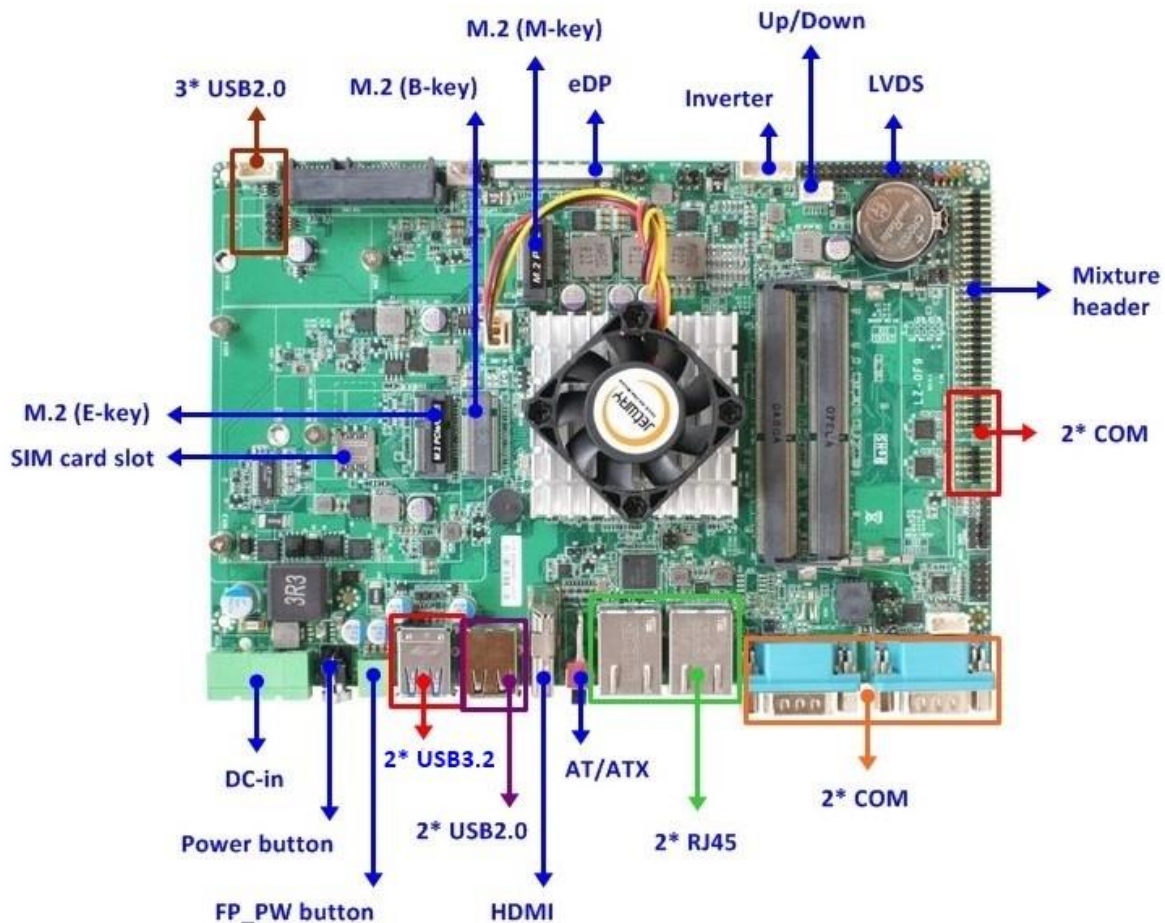
## Features

1. Intel® Tiger Lake-UP3 SoC Processor (TDP 15W)
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-02 option)
12. 12~36V DC-in



intel. FC CE RoHS COMPLIANT

## I/O Diagram



## Specifications

<b>Model</b> <ul style="list-style-type: none"><li>JLZ0F-00 (Celeron 6305E)</li><li>JLZ0F-02 (Celeron 6305E, TPM2.0)</li></ul>	<b>Form Factor</b> <p>5.5" (200 * 135mm)</p>
<b>Processor System</b> <ul style="list-style-type: none"><li>Intel® Tiger Lake Celeron 6305E SoC Processor 1.8G/DC (TDP 15W)</li><li>AMI 128Mb Flash ROM BIOS</li></ul>	<b>Memory</b> <p>2* DDR4-3200 Dual Channel SO-DIMM up to 64GB</p>
<b>Storage</b> <ul style="list-style-type: none"><li>1* SATAIII (7+15pin)</li><li>M.2 M-key 2242/2280, PCIe 4.0 x4interface, support NVMe</li></ul>	<b>Expansion</b> <ul style="list-style-type: none"><li>1* M.2 E-key (2230, USB2.0/PCIex1 interface support CNVi)</li><li>1* M.2 B-key (3042/3052/6570) supports 3G/4G/5G Module)</li><li>1* SIM Card Holder (Nano)</li></ul>
<b>Ethernet</b> <ul style="list-style-type: none"><li>1* Intel® i219LM GbE</li><li>1* Intel® i225-V 2.5GbE</li></ul>	<b>Graphics</b> <ul style="list-style-type: none"><li>Intel® HD Graphics, shared memory</li><li>1* eDP (Max Resolution: 4096 x 2304@60Hz)</li><li>1* LVDS (Max Resolution: 1920 x 1200@60Hz)</li><li>1* HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)</li><li>Support Triple Independent Displays</li></ul>
<b>Audio</b> <ul style="list-style-type: none"><li>HD audio: REALTEK codec</li><li>3W Amplifier speaker</li></ul>	<b>Watchdog Timer</b> <ul style="list-style-type: none"><li>From Super I/O to drag RESETCON#</li><li>256 segments (10sec ~ 255min)</li></ul>
<b>Internal I/O</b> <ul style="list-style-type: none"><li>3* USB2.0</li><li>1* PS/2</li><li>1* LVDS / Inverter/Light UP/Down</li><li>1* eDP</li><li>2* RS232</li><li>1* 3W Speaker</li><li>1* SATAIII</li><li>2* M.2 (E-key, B-key)</li><li>1* SIM card slot</li><li>1* Mixture Header (2* UART, 1* GPIO (16 bit), 2* USB2.0, 1* LPC)</li><li>1* Chassis intrusion</li><li>1* Audio header</li><li>1* SMBUS</li><li>Support onboard TPM2.0 (JLZ0FV-02 optional)</li></ul>	<b>External I/O</b> <ul style="list-style-type: none"><li>2* USB3.2 (Gen2)</li><li>2* USB2.0</li><li>1* HDMI</li><li>2* RJ45</li><li>2* RS232/422/485</li><li>1* AT/ATX Mode</li><li>1* Power Button</li><li>1* Front Power Button</li><li>12~36V DC-in</li></ul>
<b>Power</b> <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>	<b>Compliance</b> <p>CE, FCC, RoHS, REACH (For Panel PC)</p>
<b>Temperature</b> <ul style="list-style-type: none"><li>Operating Temperature: 0 ~ 60° C</li><li>Storage Temperature: -20 ~ 85° C</li><li>Humidity: 10% ~ 90% RH @40°C (non-condensing)</li></ul>	<b>OS Support</b> <p>Windows 10, Linux</p>
<b>Warranty</b> <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-00	JLZ0FV-00 M/B
JLZ0FV-02	JLZ0FV-02 M/B support TPM2.0

