

JLI1BV-0L Series

Intel® Elkhart Lake J6412 CPU, DDR4 up to 32GB, 2* 2.5GbE

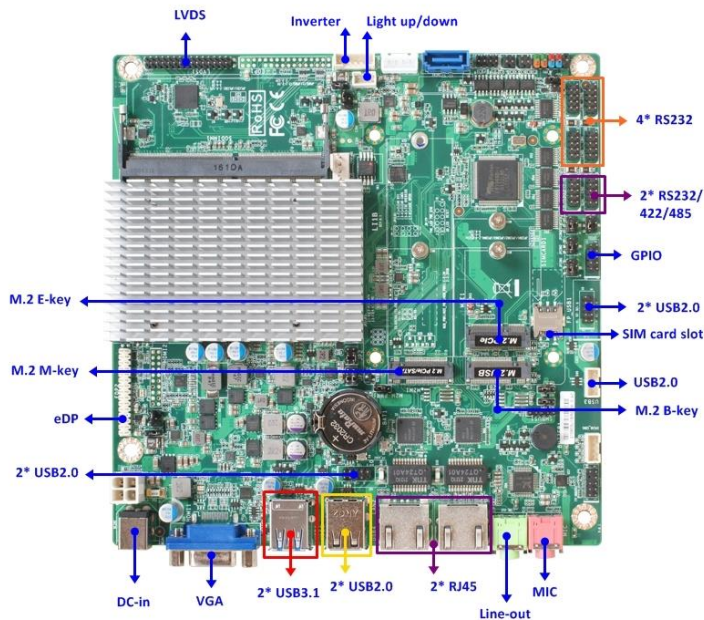
Features

1. Intel® Elkhart Lake J6412 2.0GHz/QC Core MCP Processor (Turbo 2.6GHz)
2. 1* DDR4 3200MHz up to 32GB
3. Realtek HD Audio
4. 2* Intel® i225V 2.5GbE
5. 1* SATAIII, 1* M.2 (M-key)
6. 1* VGA, 1* eDP, 1* LVDS
7. 2* RS232/422/485, 4* RS232, 2* USB3.1 (Gen. 1), 7* USB2.0
8. 1* M.2 E key Support WIFI/BT Module , 1* M.2 B key Support 4G/5G Module
9. 12V DC-in
10. Thin MINI ITX Form Factor (170 *170 mm)

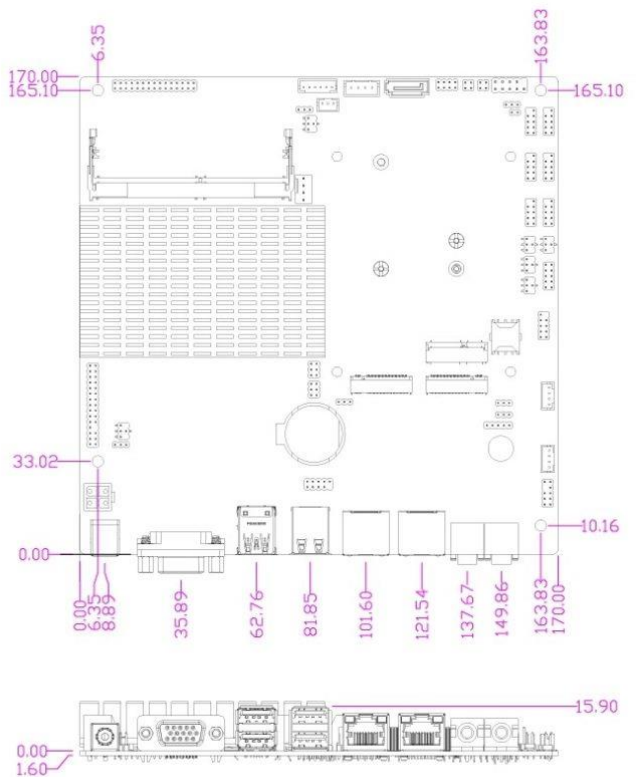


intel. FC CE RoHS COMPLIANT

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model <ul style="list-style-type: none">JLI1BV-0LJLI1BV-0L2 (TPM2.0)	Form Factor <p>ITX (170 * 170mm)</p>
Processor System <ul style="list-style-type: none">Intel® Elkhart lake J6412 Quad Core MCP SoC ProcessorJLI1BV-0L (Quad Core 2.0GHz/10W, Turbo 2.6GHz)AMI 128M Flash ROM	Memory <p>1* DDR4 3200MHz SO-DIMM up to 32GB</p>
Storage <ul style="list-style-type: none">1* SATAIII (6.0 Gb/s)1* M.2 M-key (2242/2280, SATA or NVMe- PCIe x2)	Expansion <ul style="list-style-type: none">1* M.2 E-key (2230, support WIFI/BT Module)1* M.2 B-key (3042/3052, support 4G/5G Module)1* Nano SIM card slot
Ethernet <p>2* Intel® i225V 2.5GbE</p>	Graphics <ul style="list-style-type: none">Intel® HD Graphics, shared memory1* VGA (Max Resolution: 1920x1080@60Hz, Co-lay HDMI)1* LVDS (Max Resolution: 2560x1600@60Hz, Co-lay eDP)1* eDP (Max Resolution: 4096x2304@60Hz, Co-lay HDMI)Support Triple Displays
Audio <ul style="list-style-type: none">Realtek HD Audio3W Speaker Amplifier	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">5* USB2.02* RS232/422/4854* RS2321* SATAIII, 1* SATA Power3* M.2 (M key + E key + B key)1* GPIO (8 bit, 5V)1* AT mode1* I2C/SMBUS1* FP_Audio1* Speaker1* TPM2.0 (Option)1* CPU FAN	External I/O <ul style="list-style-type: none">1* VGA2* RJ452* USB3.1 (Gen. 1)2* USB2.0Line-outMIC12V DC-in
Power <p>12V DC-in, 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</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, Windows 11, 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
JLI1BV-0L Series	JLI1BV-0L / JLIBV-0L2 (TPM2.0) M/B
G01-SATA3-BL-1F	1* SATAIII cable
G01-XH4-SA15A-30F	1* SATA Power cable
G01-COM-H2M22-1F	2* COM9 cable
F04-MB-054-F	I/O Shield
F04-MB-061-F	I/O Shield