

JLI1BV-00 Series

Intel® Elkhart Lake J6412 CPU, DDR4 up to 32GB, 1* 2.5GbE

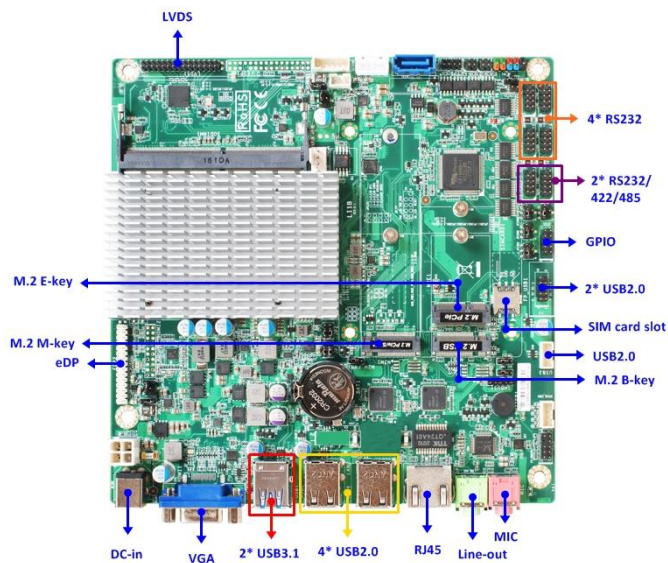
Features

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. 1* 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)

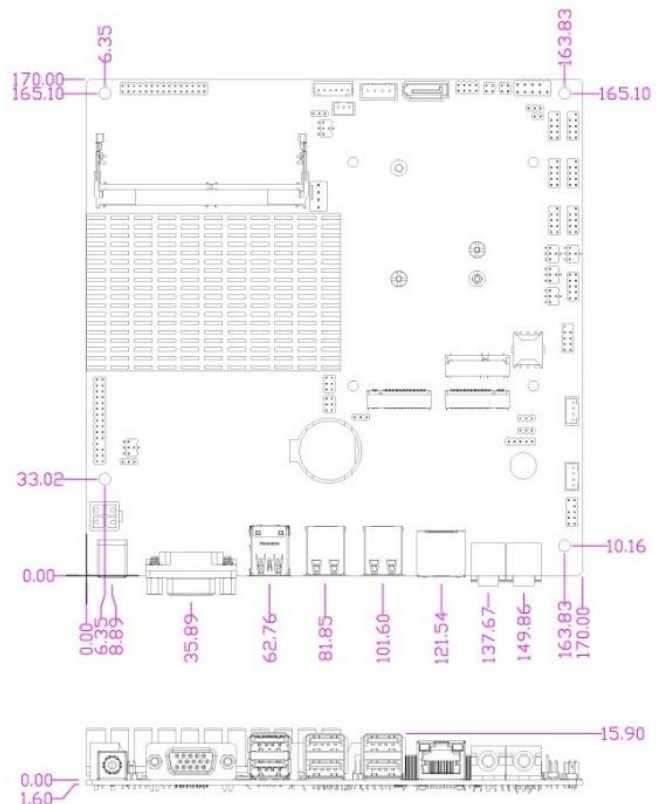


intel. FC CE RoHS COMPLIANT

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model

- JLI1BV-00
- JLI1BV-002 (TPM2.0)

Processor System

- Intel® Elkhart lake J6412 Quad Core MCP SoC Processor
- JLI1BV-00 (Quad Core 2.0GHz/10W, Turbo 2.6GHz)
- AMI 128M Flash ROM

Storage

- 1* SATAIII (6.0 Gb/s)
- 1* M.2 M-key (2242/2280, SATA or NVMe- PCIe x2)

Ethernet

1* Intel® i225V 2.5GbE

Audio

- Realtek HD Audio
- 3W Speaker Amplifier

Internal I/O

- 3* USB2.0
- 2* RS232/422/485
- 4* RS232
- 1* SATAIII, 1* SATA Power
- 3* M.2 (M key + E key + B key)
- 1* GPIO (8 bit, 5V)
- 1* AT mode
- 1* I2C/SMBUS
- 1* FP_Audio
- 1* Speaker
- 1* TPM2.0 (Option)
- 1* CPU FAN

Power

12V DC-in, AT/ATX Supported

- AT: Directly PWR on as Power input ready
- ATX: Press Button to PWR on after Power input ready

Temperature

- Operating Temperature: 0 ~ 60° C
- Storage Temperature: -20 ~ 85° C
- Humidity: 10% ~ 90% RH @40°C (non-condensing)

Warranty

2 Years limited warranty

Form Factor

ITX (170 * 170mm)

Memory

1* DDR4 3200MHz SO-DIMM up to 32GB

Expansion

- 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

Graphics

- Intel® HD Graphics, shared memory
- 1* 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

Watchdog Timer

- From Super I/O to drag RESETCON#
- 256 segments (10sec ~ 255min)

External I/O

- 1* VGA
- 1* RJ45
- 2* USB3.1 (Gen.1)
- 4* USB2.0
- Line-out
- MIC
- 12V DC-in

Compliance

CE, FCC, RoHS, REACH

OS Support

Windows 10, Windows 11, Linux

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

Standard Accessories

Part Number	Description
JLI1BV-00 Series	JLI1BV-00 / JLI1BV-002 (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