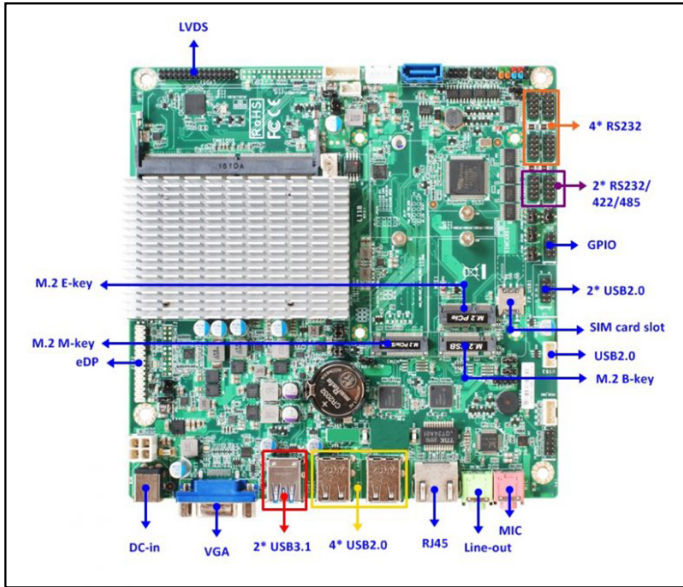


Mini-ITX Motherboard with Intel® J6412 SoC Processor (Elkhart Lake)



Features

- Powered by Intel® Celeron® Processor J6412 (Elkhart Lake, TDP 10W)
- Triple display support with versatile output options: VGA, eDP, LVDS, and co-lay HDMI
- Comprehensive I/O: 2 x USB 3.2, 7 x USB 2.0, 6 x COM Ports
- Realtek HD Audio: 3W Amplifier, 1 x Line-out, 1 x Mic, 1 x FP-Audio, 1 x Speaker
- Storage: 1 x SATA III, 1 x M.2 M-Key (2242/2280, SATA/NVMe)
- Additional Expansion: 1 x M.2 E-Key, 1 x M.2 B-Key, 1 x Nano SIM Slot
- Security: Optional TPM for Enhanced Protection

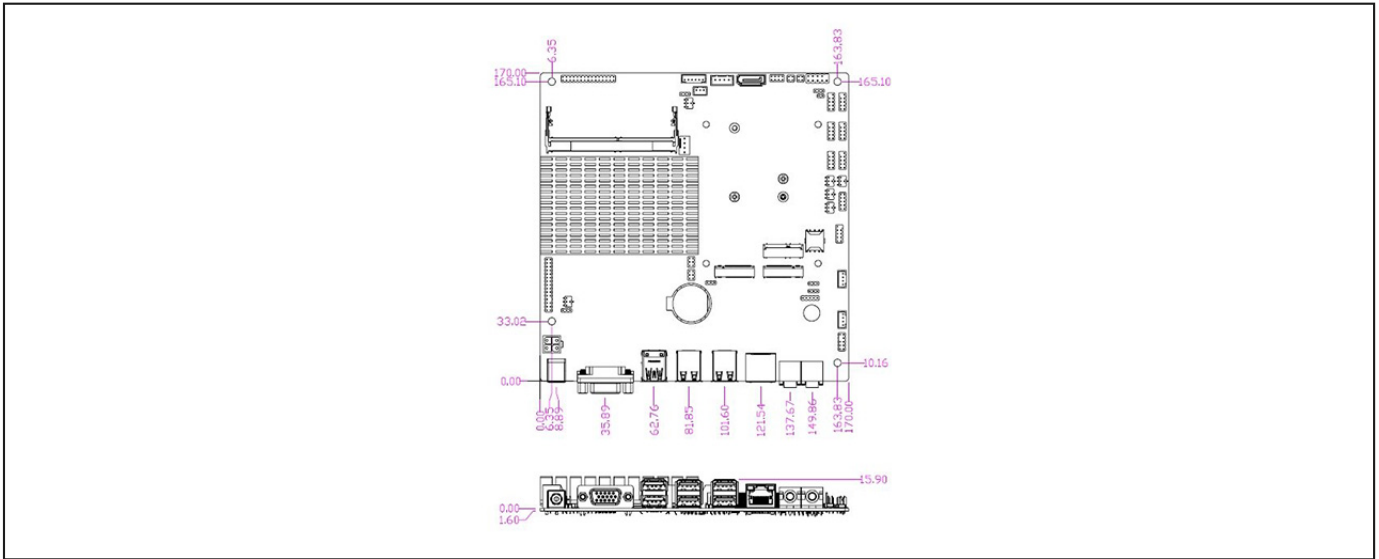
Packing List

PART NUMBER	DESCRIPTION	QTY
JLI1BV-00 Series	JLI1BV-00 / JLI1BV-002 (TPM2.0) M/B	1
G01-SATA3-BL-1F	SATA III cable	1
G01-XH4-SA15A-30F	SATA Power cable	1
G01-COM-H2M22-1F	COM9 cable	2
F04-MB-054-F	I/O Shield	1
F04-MB-061-F	I/O Shield	1

Specifications

SYSTEM	
MB FORM FACTOR	Others
CPU	Onboard Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR4 3200MHz, Single Channel SO-DIMM, up to 32GB
BIOS	AMI 128Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12V
POWER ON MODE	AT / ATX
CONNECTOR	DC Jack
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 2560 x 1600 @60Hz, Co-lay eDP)
eDP	1 x eDP (Max Resolution: 4096 x 2304@60Hz, Co-lay HDMI)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @60Hz, Co-lay HDMI)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
AMPLIFIER	3W
LAN	
ETHERNET	1 x RJ45 for Intel® I226-V 2.5GbE
USB PORT	
USB	2 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) 4 x USB 2.0 Internal Header for 3 x USB 2.0
SERIAL PORT	
COM	Internal Header for 2 x RS-232/422/485 Internal Header for 4 x RS-232
INTERNAL I/O	
GPIO	8-Bit (5V)
SMBUS	Yes
I2C	Yes
FAN	1 x CPU Fan Header
ADDITIONAL	1 x AT Mode Selection 1 x FP_Audio 1 x Speaker header
STORAGE	
SATA	1 x SATA III
EXPANSION	
M.2	1 x M-Key 2242/2280 (SATA/Pcle x2) Support NVMe 1 x E-Key 2230 support Wifi/BT 1 x B-Key 3042/3052 for 4G/5G Module
SIM	1 x Nano SIM Card Slot
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)
STORAGE TEMPERATURE	-20°C - 85°C (-4°F - 185°F)
OPERATING HUMIDITY	10 - 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A
ESG DECLARATION	EU RoHS China RoHS REACH

Dimension Unit: mm



Ordering Information

PART NUMBER	JLI1BV-00	JLI1BV-002
CPU	Intel® Celeron® J6412	Intel® Celeron® J6412
SECURITY		TPM2.0
POWER REQUIREMENT	DC-in 12V	DC-in 12V
GPU	Intel® HD Graphics	Intel® HD Graphics
LVDS	1 x LVDS/eDP	1 x LVDS/eDP
eDP	1 x eDP/HDMI	1 x eDP/HDMI
VGA	1 x VGA/HDMI	1 x VGA/HDMI
MULTIPLE DISPLAY	Support 3 Displays	Support 3 Displays
ETHERNET	1 x 2.5GbE	1 x 2.5GbE
USB	2 x USB 3.2	2 x USB 3.2
USB	7 x USB 2.0	7 x USB 2.0
COM	4 x RS-232	4 x RS-232
COM	2 x RS-232/422/485	2 x RS-232/422/485
SATA	1 x SATA III	1 x SATA III
M.2	1 x M-Key 2242/2280	1 x M-Key 2242/2280
M.2	1 x E-Key 2230	1 x E-Key 2230
M.2	1 x B-Key 3042/3052	1 x B-Key 3042/3052
SIM	1 x Nano SIM Card Slot	1 x Nano SIM Card Slot
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)	0°C - 60°C (32°F - 140°F)