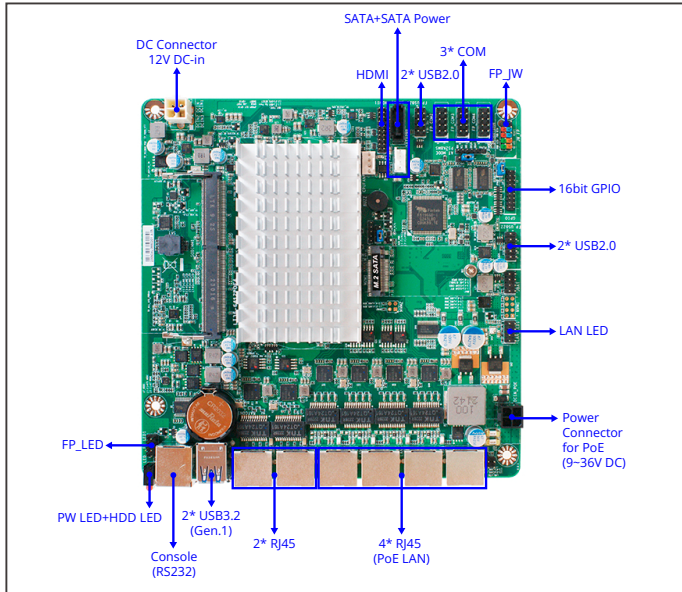


Thin Mini-ITX with Intel® Celeron® Processor J6412 (formerly Elkhart Lake)



Specifications

SYSTEM	
FORM FACTOR	Mini-ITX
CPU	Intel® Elkhart Lake J6412 2.0G/QC SoC Processor
CHIPSET	Integrated with Intel® SoC
MEMORY TYPE	1 x DDR4 3200MHz So-DIMM up to 32GB
BIOS	AMI Flash ROM BIOS
WATCHDOG TIMER	From Super I/O to drag RESETCON# 256 segments (10sec ~ 255min)
SECURITY	TPM2.0 (optional)
RTC Battery	Lithium Battery
DIMENSION (L X W)	170mm x 170mm (6.7" x 6.7")
OS SUPPORT	Windows® 10 (64bit), Windows® 11 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12V
POWER SUPPLY TYPE	AT/ATX Mode Jumper
CONNECTOR	—
DISPLAY	
CONTROLLER	Intel® HD Graphics
DISPLAY INTERFACE	1 x INT HDMI (Max Resolution: 2560x1600@60Hz)
MULTIPLE DISPLAY	NA
EXTERNAL I/O	
ETHERNET	6 x Intel® I225-V (or Intel® I226-V) 10/100/1000/2500Mbps LAN3/4/5/6 PoE LAN, Support IEEE 802.3af/at (Total Max 100W)
USB	2 x USB3.2 (Gen.1)
SERIAL PORT	1 x Console (RS232)
INTERNAL I/O	
USB	4 x USB2.0 (PH2.0)
SERIAL PORT	3 x COM (COM2 Support RS232/422/485)
GPIO	16-Bit (5V)
SMBUS	Yes
FAN	1 x CPU Smart Fan
Others	1 x DC Power Connector (12V DC in) 1 x PoE Power Connector (9-36V DC in) 1 x LAN LED 1 x FP_LED 1 x FP_JW 1 x AT model
STORAGE	
SATA	1 x SATA3
M.2	1 x M.2 M-key (2242 SATA interface, Support SSD)
eMMC	Onboard 64GB (option)
ENVIRONMENT & CERTIFICATION	
OPERATING TEMPERATURE	-10°C ~ 60°C (14°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 70°C (-4°F ~ 158°F)
OPERATING HUMIDITY	10% ~ 90% RH @40°C (non-condensing)
CERTIFICATION	CE, FCC, LVD, RoHS, REACH (Option)

Features

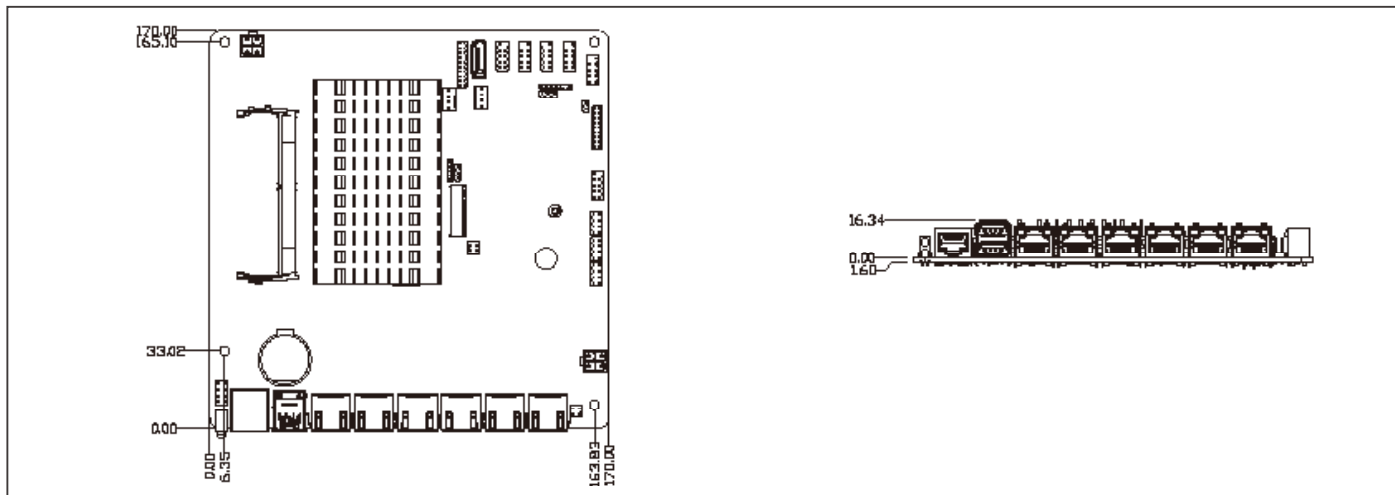
- Intel® Elkhart lake J6412 SoC Processor (2.0GHz/QC)
- 1 x DDR4 3200MHz SO-DIMM up to 32GB
- 6 x 10/100/1000/2500 Base-TX Ethernet Ports
- LAN3/4/5/6 Support PoE, 802.3af/at compliance
- 2 x USB3.2 (Gen.1), 4 x USB2.0
- 4 x COM (COM1: RS232 for RJ45, COM2: RS232/422/485, COM3/4: RS232)
- 1 x M.2 M-key, 2242 (SATA), 1 x SATAIII (6Gb/s)
- Onboard TPM2.0 (Option)
- 12V DC in

Packing List

Part Number	Description	QTY per Board
	LI36 Series M/B	1
F04-MB-064-F	NF692 THIN LED+RJ45+2USB(3.0)+6LAN	1
F04-MB-063-F	NF692 LED+RJ45+2U+6L+HD+C/GPIO+COM+COM	1
G01-2X10A-HDMICF	CABLE 2*10 HSG to HDMI/M L=250mm+20mm	1
G01-SATA-BK-B-2F	SATA Cable 45cm BLACK w/LOCK	1
G01-PW4PS2S-322-1F	Y-Power Cable 20cm+2SATA 32cm	1
G01-COM9-30A-2F	COM9 Cable K=10 L=300mm P2.54	1

Dimension

Unit: mm



Ordering Information

Part Number	LI36-64120P4	LI36-64122P4	LI36-64124P4
CPU	Elkhart Lake J6412	Elkhart Lake J6412	Elkhart Lake J6412
DISPLAY	1 x HDMI	1 x HDMI	1 x HDMI
LAN	6 x 2.5GbE including 4 x PoE	6 x 2.5GbE including 4 x PoE	6 x 2.5GbE including 4 x PoE
USB	2 x USB3.2 (Gen.1) 4 x USB2.0	2 x USB3.2 (Gen.1) 4 x USB2.0	2 x USB3.2 (Gen.1) 4 x USB2.0
RS-232	3	3	3
RS-232/422/485	1	1	1
STORAGE	1 x SATA 1 x M.2 M Key 2242	1 x SATA 1 x M.2 M Key 2242	1 x SATA 1 x M.2 M Key 2242
EXPANSION SLOT	—	—	—
TPM	—	TPM2.0	—
POWER	12V	12V	12V
OPERATING TEMP	-10°C ~ 60°C	-10°C ~ 60°C	-10°C ~ 60°C
OTHERS	—	—	—
eMMC	—	—	64GB