

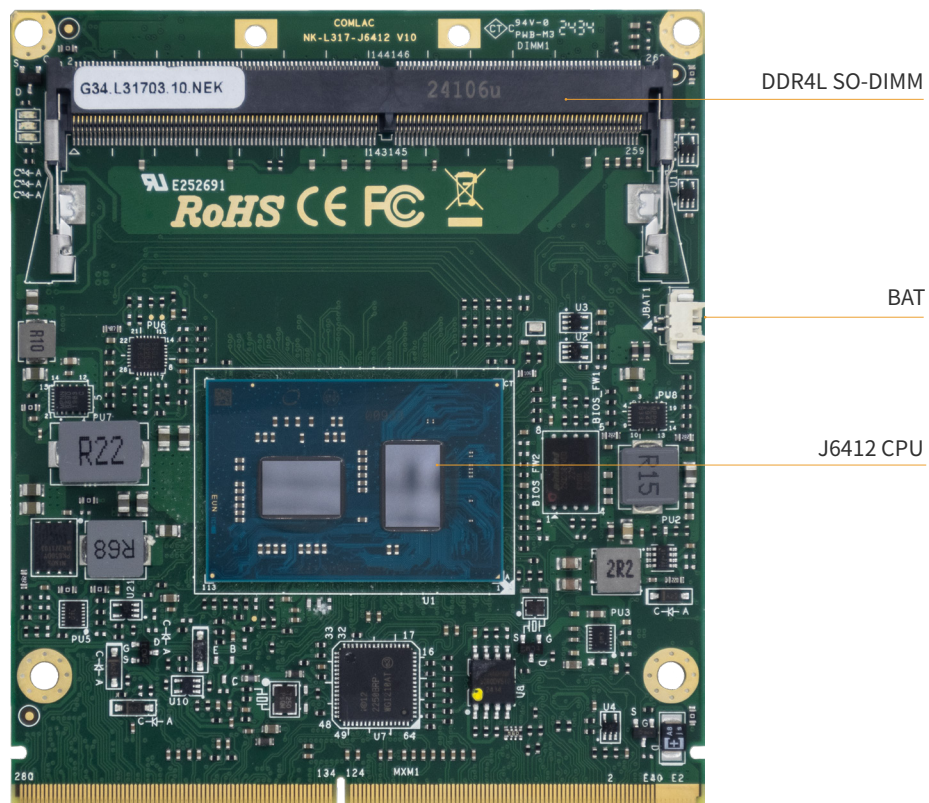
NK-L317-J6412

95*82 Elkhart Lake J6412 Comlac Board

01 Feature

- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6GHz , TDP 10W
- Support 1 x DDR4-3200MHz SO-DIMM slot, up to 32GB
- Support 2 x DDI, 1 x eDP, Tri-Display
- Type3 Interface Signals with MXM3.0 Gold Finger

02 I/O Layout

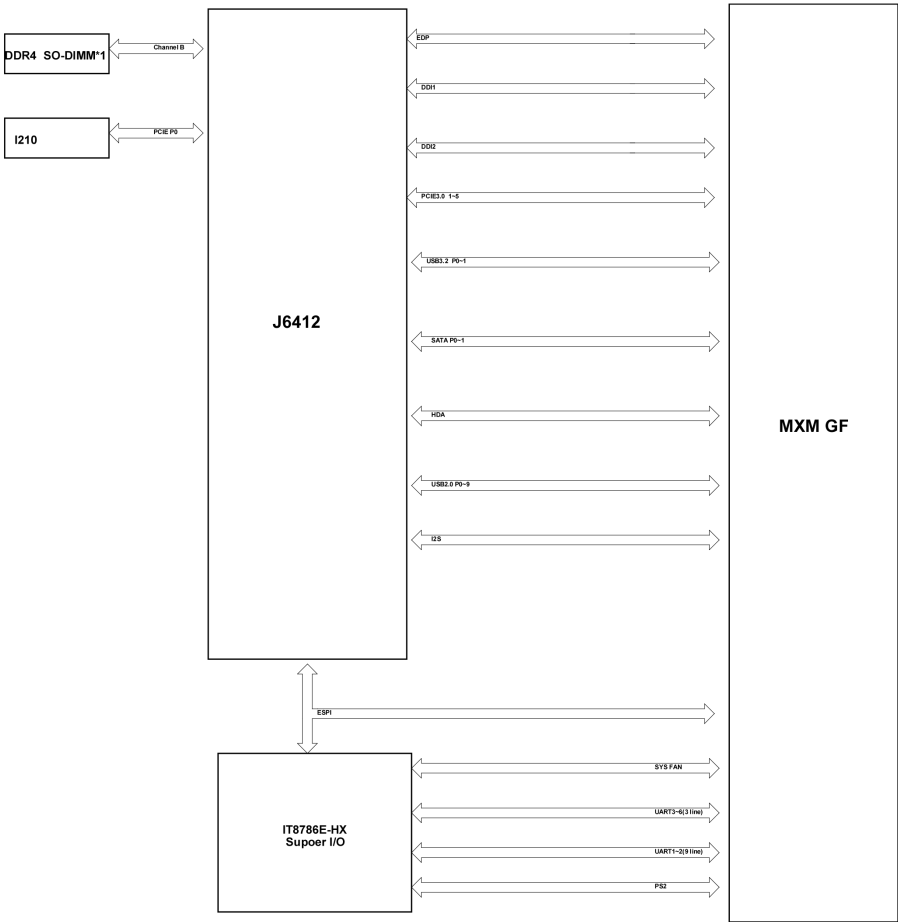


03 Specification

Project		Content
Processor System	CPU	Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6GHz , TDP 10W
	Chipset	Intel® SoC integrated
	BIOS	AMI 256Mb UEFI BIOS
Memory	Technology	Single Channel(Non-ECC) DDR4-3200MHz, up to 32GB
	Slot	1 x DDR4 SO-DIMM slot
Graphic	Controller	Intel HD graphics integrated
Expansion Signals	Display	2 x DDI,1 x eDP
	Serial Port	2 x Uart(9 line),4 x Uart(3 line)
	USB	2 x USB3.0 ,8x USB2.0
	SATA	2 x SATA 3.0
	PCIe	5 port 5lanes (1 X2、 3 X1)
	GPIO	1 x 4bit GPIO
	Audio	1 x Intel HDA Audio codec
	Smart Fan	1 x Smart Fan
	Etherne	Intel i210AT Controller
	others	1 x eSPI,1 x I ² C,1 x SMBus,1 x Buzzer, 1 x KB/MS
Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
Power	Power input	5V
OS Support	MS Windows	Windows 10/11
	Linux	Linux
Mechanism	尺寸 Dimensions	(L)95mm x (W)82mm
	Gross Weight	0.04kg
Environment	Temperature	Operating: 0°C ~60°C with SSD
		Storage: -40°C ~85°C
	Humidity	5~95% (Non-condensing)
	Vibration	5~500Hz, 3Grms operating

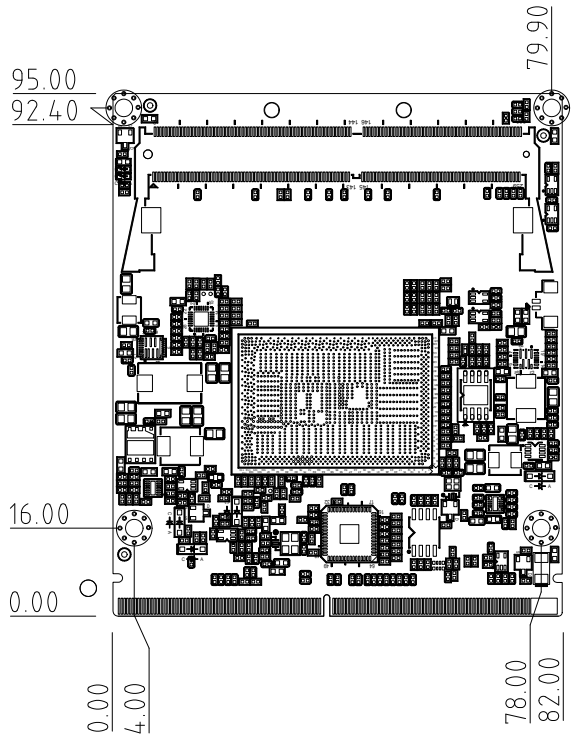
04

Block Diagram



05

Mechanical Drawing



Unit: mm

06 Order Information

Part No.	Model	Description
F34.L31703.00.NEK	NK-L317-J6412	Type3, 95*82mm Elkhart Lake, J6412, 1x DDR4 SO-DIMM