

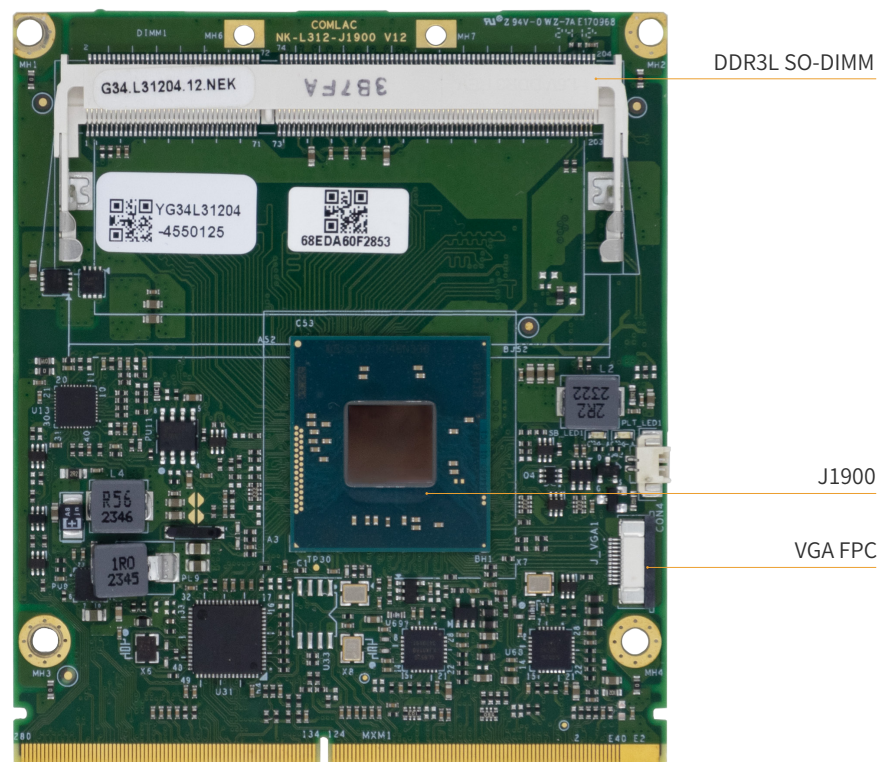
NK-L312-J1900

95*82 Bay Trail J1900 Comlac Board

01 Feature

- Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz , TDP 10W
- Support 1 x DDR3L-1333MHz SO-DIMM slot, up to 8GB
- Support 1 x VGA FPC Connector, 2 x DDI dual display
- Type3 Interface Signals with MXM3.0 Gold Finger

02 I/O Layout

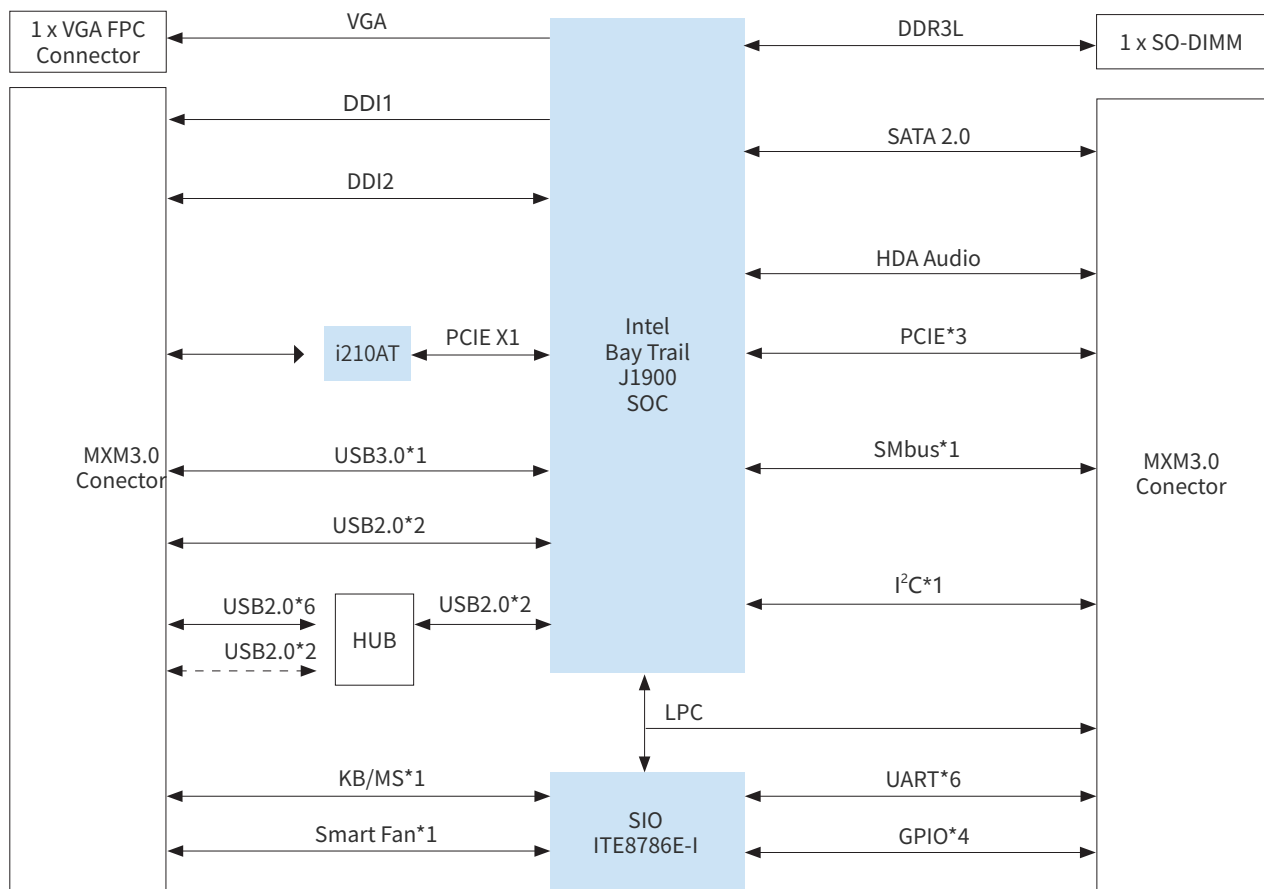


03 Specification

Project		Content
Processor System	CPU	Intel® Celeron® J1900 processor 2.0GHz,TDP 10W
	Chipset	Intel® SoC integrated
	BIOS	AMI 64Mb UEFI BIOS
Memory	Technology	Single Channel(Non-ECC) DDR3L-1333MHz, up to 8GB
	Slot	1 x DDR3L SO-DIMM slot
Graphic	Controller	Intel HD graphics integrated
Expansion Signals	Display	2 x DDI,1 x VGA FPC Connector
	Ethernet	Intel I210AT controller
	Serial Port	2 x Uart (9 line) , 4 x Uart (3 line)
	USB	1 x USB 3.0,8 x USB2.0 ^[1]
	Audio	1 x Intel HDA Audio codec
	GPIO	1 x 4bit GPIO
	Fan	1 x Smart FAN
	PCIE	3 port 3 lanes(3x1)
	SATA	2 x SATA 2.0
	other	1 x KB/MS, 1 x I ² C, 1 x Buzzer, 1 x Smbus, 1 x LPC
Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
Power	Type	5V
	Power Consumption	TBD
O.S Support	MS Windows	Windows7/10
	Linux	Linux
Mechanism	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

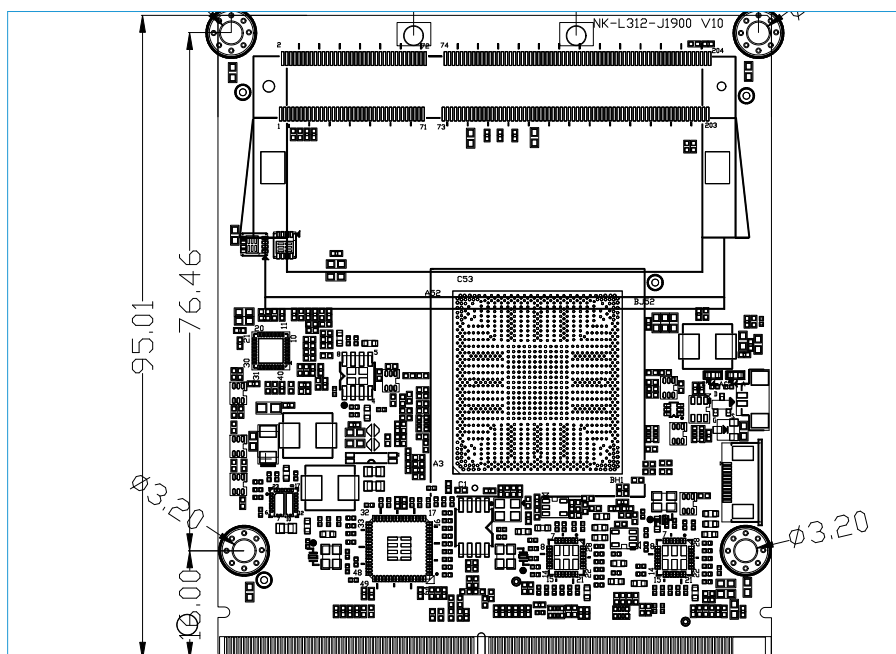
[1] 8/10*USB2.0 selected by resistor, 8*USB2.0 default.

04 Block Diagram



05 Mechanical Drawing

Unit: mm



06 Order Information

Part No.	Model	Description
F34.L31201.00.NEK	NK-L312-J1900	Type 3,95*82mm Bay Trail,J1900, 1x DDR3L SO-DIMM

07 Packing List

Part No.	Description
KF0.000612.00.J03	GA FPC Flexible Flat Cable, 100mm Length