

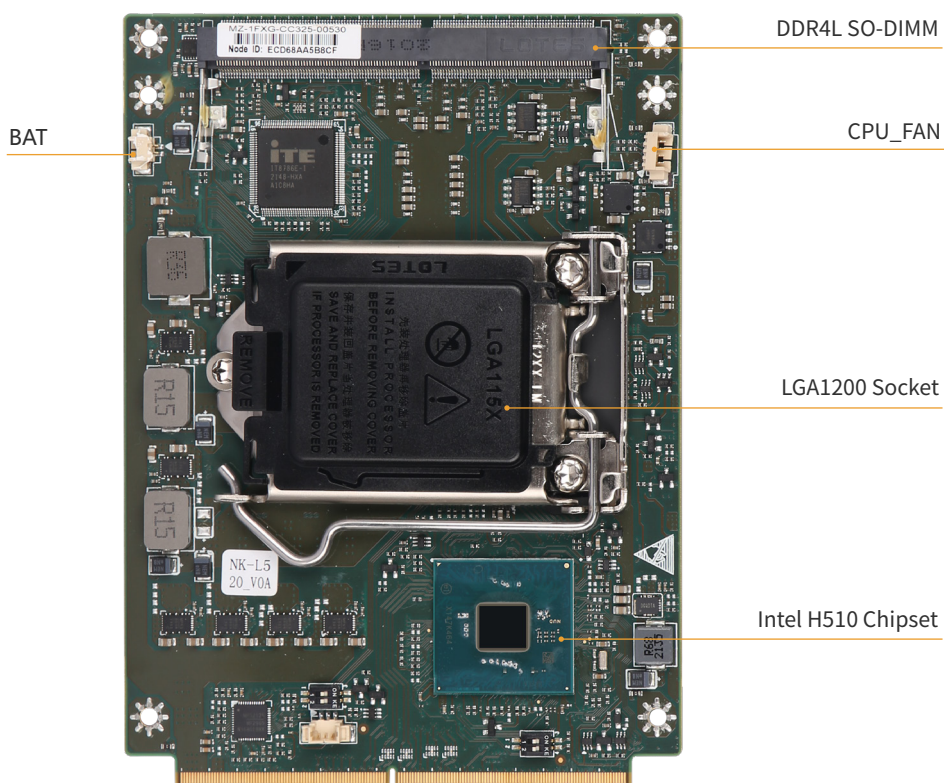
NK-L520-H510

138*100.1 Rocket Lake-S H510 Comlac SBC

01 Feature

- Intel® 10/11 th Generation Celeron/Pentium/Core-I series LGA1200 processor,TDP up to 65W
- Support dual channel(Non-ECC) DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support 2 x DDI, 1 x eDP,Dual-display
- Type5 Interface Signals with MXM3.0 Gold Finger

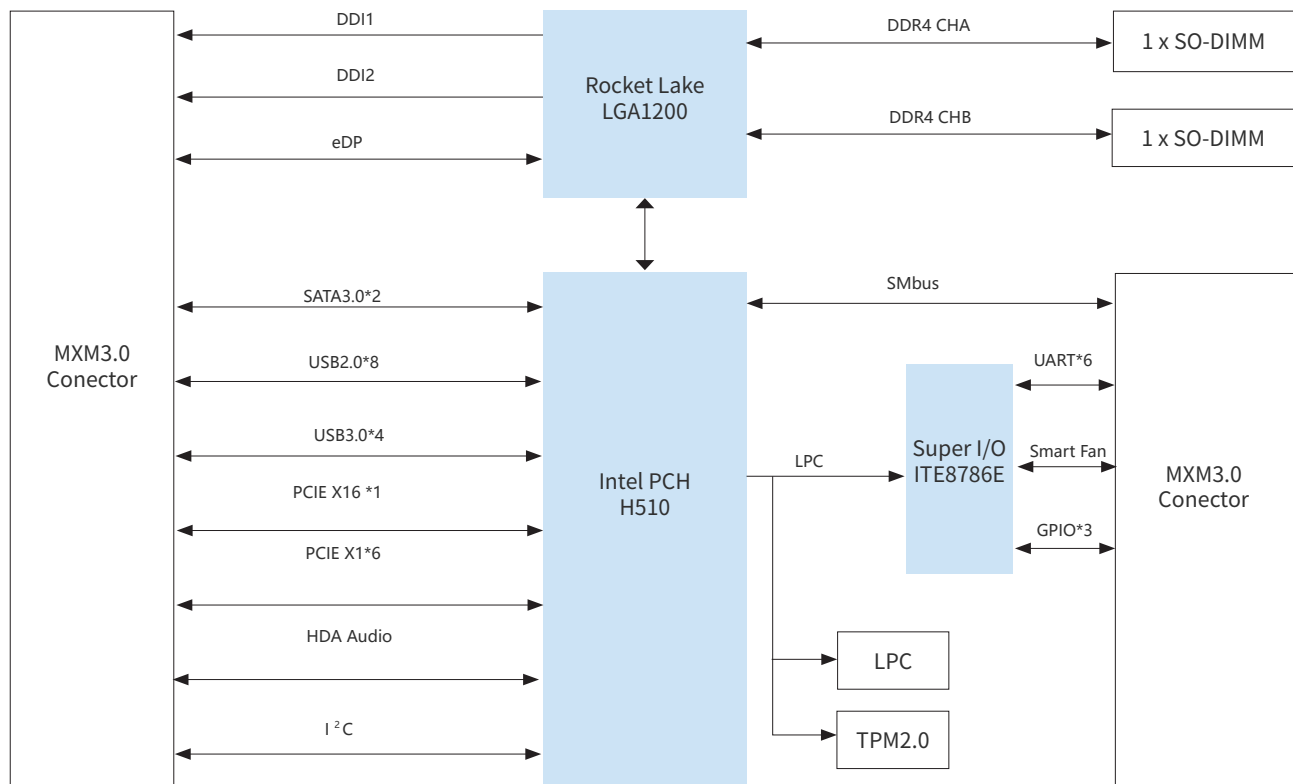
02 I/O Layout



03 Specification

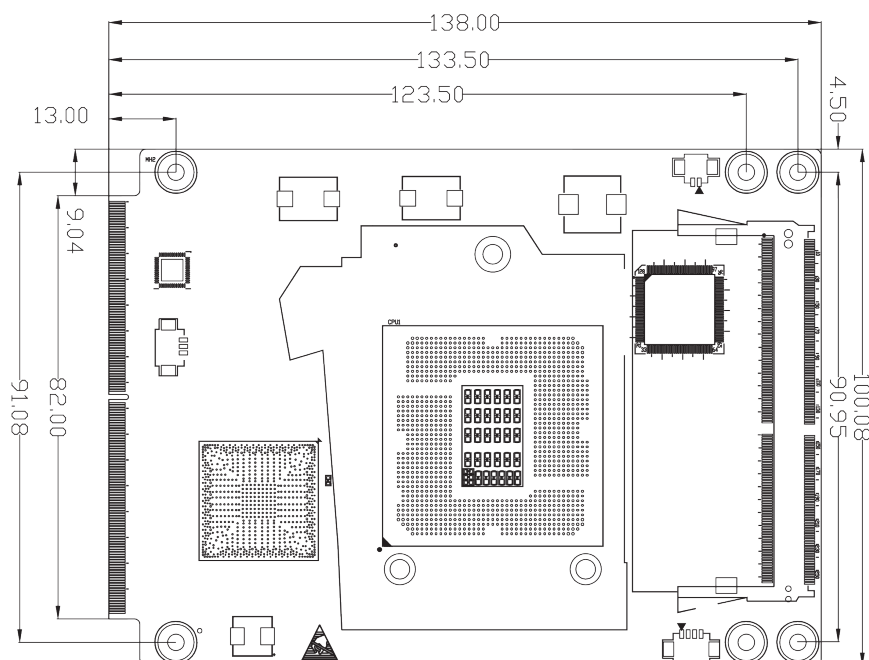
Project		Content
Processor System	CPU	Intel® 10/11th Generation Celeron/Pentium/Core-I series LGA1200 processor,TDP up to 65W
	Chipset	Intel® H510
	BIOS	AMI 256Mb UEFI BIOS
Memory	Technology	Dual Channel(Non-ECC) DDR4-3200MHz, up to 64GB
	Slot	2 x DDR4 260-pin SO-DIMM slot
Graphic	Controller	Intel HD graphics integrated
Expansion Signals	Display	2 x DDI, 1 x eDP
	Serial Port	2 x Uart(5line),4 x Uart(3line)
	USB	4 x USB3.0,8 x USB2.0
	SATA	2 x SATA 3.0
	PCIe	6 port 6 lanes(1 X4、2 X1、1xGBE(Only support Intel i219-V controller))
	PCIe x 16	1 x PCIe x 16
	GPIO	1 x 3bit GPIO
	Audio	1 x Intel HDA Audio codec
	Fan	1 x Smart Fan
	others	1 x I ² C,1 x SMBus,1 x LPC,1 x Buzzer
Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
Power	Power input	12V
OS Support	MS Windows	Windows 10/11
	Linux	Linux
Mechanism	Dimensions	(L)138mm x (W)100.1mm
	Gross Weight	0.15kg
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
F04.L52001.03.J35	NK-L520-H510	Type5,138*100.1 NK-L520-H510 Comlac SBC, 2x DDR4 SO-DIMM