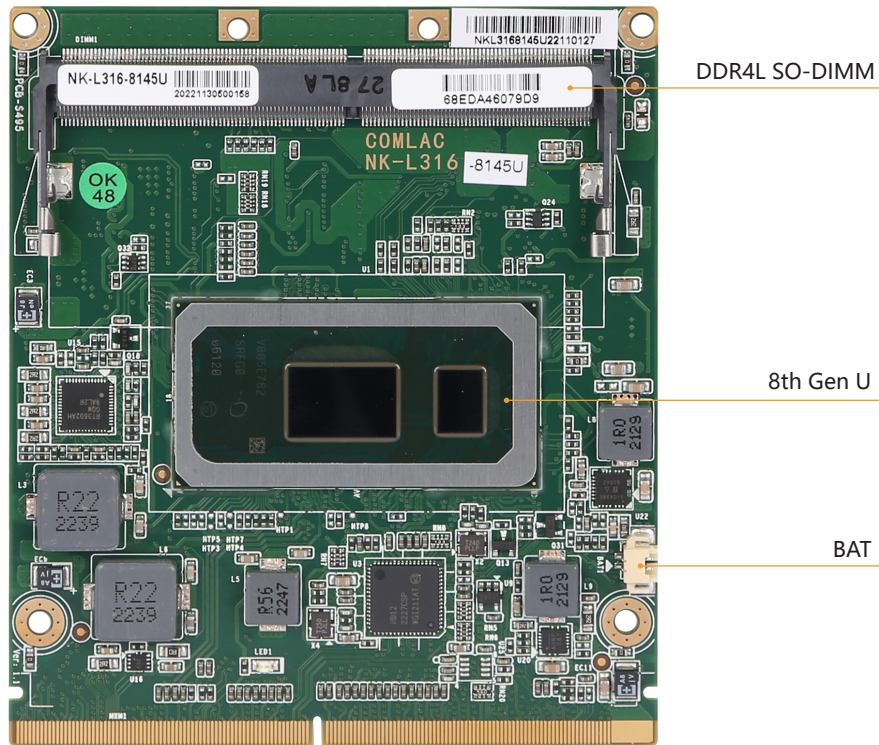


# NK-L316-4205U/8145U/8265U

95\*82 Whiskey Lake U Comlac Board

## 特点 Feature

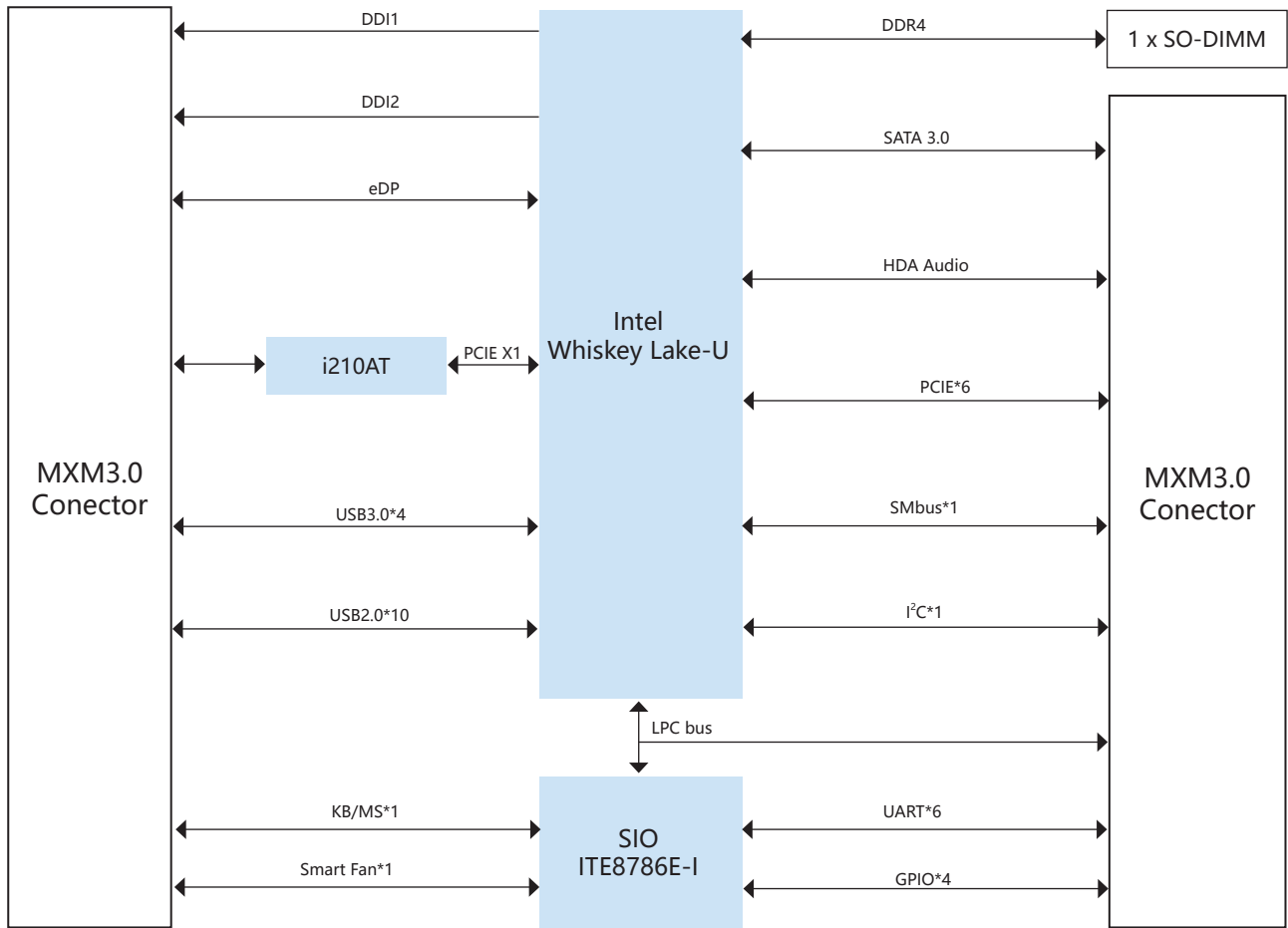
- Intel® Celeron®. 4205U processor, Dual-core, base frequency 1.8GHz , TDP 15W
- Intel® Core™. i3-8145U processor, Dual-core, base frequency 1.6GHz up to 3.9GHz , TDP 15W
- Intel® Core™. i5-8265U processor, Dual-core, base frequency 2.1GHz up to 3.9GHz , TDP 15W
- Support 1 x DDR4-2400MHz SO-DIMM slot, up to 32GB
- Support 1 xeDP,2 x DDI Tri-display
- Type3 Interface Signals with MXM3.0 Gold Finger



## 规格 Specification

处理器 Processor System	CPU	Intel® 8th Gen. U processor, TDP 15W
	芯片组 Chipset	Intel® SoC integrated
	BIOS	AMI 128Mb UEFI BIOS
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR4-2400MHz, up to 32GB
	插槽 Slot	1 x DDR4 260-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Intel HD graphics integrated
扩展信号 Expansion Signals	显示 Display	2 x DDI, 1 x eDP
	串口 Serial Port	2 x Uart(9line), 4 x Uart(3line)
	USB	4 x USB3.0, 8 x USB2.0
	SATA	2 x SATA 3.0
	PCIe	5 port 8 lanes(1 X4、1 X2、2 X1)
	GPIO	1 x 4bit GPIO
	Audio	1 x Intel HDA Audio codec
	Fan	1 x Smart Fan
	Ethernet	Intel i210AT controller
	其他 others	1 x KB/MS, 1 x I <sup>2</sup> C, 1 x SMBus, 1 x LPC1, 1 x Buzzer
看门狗定时器 Watchdog Timer	输出 & 间隔 Output&Interval	System reset, programmable from 1~255 seconds
电源 Power	Power input	5V
操作系统 OS Support	MS Windows	Windows 10/11
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)95mm x (W)82mm
	净重 Gross Weight	0.6kg
环境 Environment	温度 Temperature	Operating: 0°C ~60°C with SSD
		Storage: -40°C ~85°C
	湿度 Humidity	5~95% (Non-condensing)
	振动 Vibration	5~500Hz, 3Grms operating

### 框架图 Block Diagram



### 机构图 Mechanical Drawing

单位 (Unit): mm

## 订购信息 Order Information

料号 Part No.	型号 Model	描述 Description
F04.L31604.10.S12	NK-L316-4205U	Type3,95*82mm Whiskey Lake U 4205U, 1x DDR4 SO-DIMM
F04.L31608.10.S12	NK-L316-8145U	Type3,95*82mm Whiskey Lake U I3-8145U, 1x DDR4 SO-DIMM
F04.L31603.0A.S12	NK-L316-8265U	Type3,95*82mm Whiskey Lake U I5-8265U, 1x DDR4 SO-DIMM

## 包装清单 Packing List

料号 Part No.	数量 Qty	描述 Description
	1	NK-L316 Comlac User manual