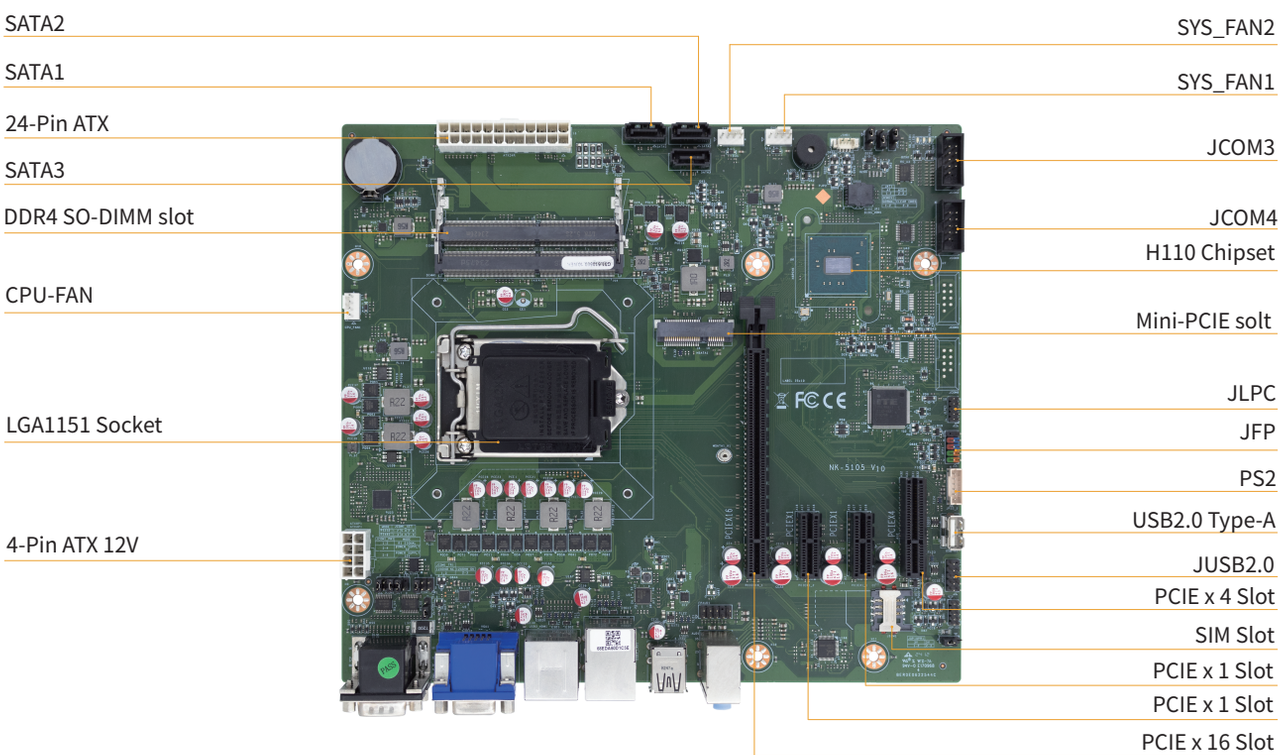
NK-5105

6/7/8/9 th processor H110 Chipset Micro-ATX Motherboard

特点 Feature

- Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series processor,TDP 95W
- Support Dual channel(Non-ECC) DDR4-1866/2133/2400/2666MHz SO-DIMM slot，up to 64GB
- Support VGA,HDMI,DP Dual-display
- 1 x Giga-bit Ethernet
- 4 x USB3.0 ports, 4 x USB2.0 ports
- 1 x RS232/485,3 x RS232
- 3 x SATA3.0,1 x mSATA
- 1 x PCIe3.0 X 16（Gen3）,1 x PCIe X 4(Gen2，x2link)，2 x PCIe X 1(Gen2，X1link)

I/O Layout



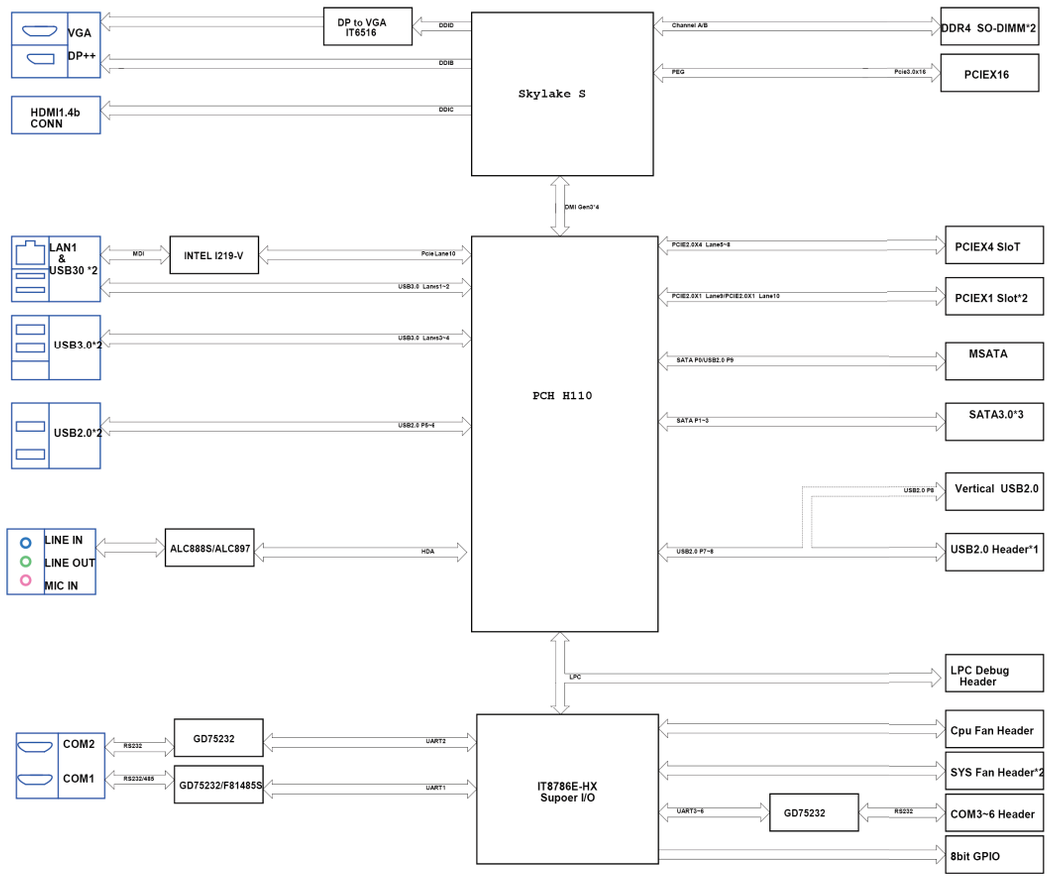


All product specifications are subject without notice.

规格 Specification

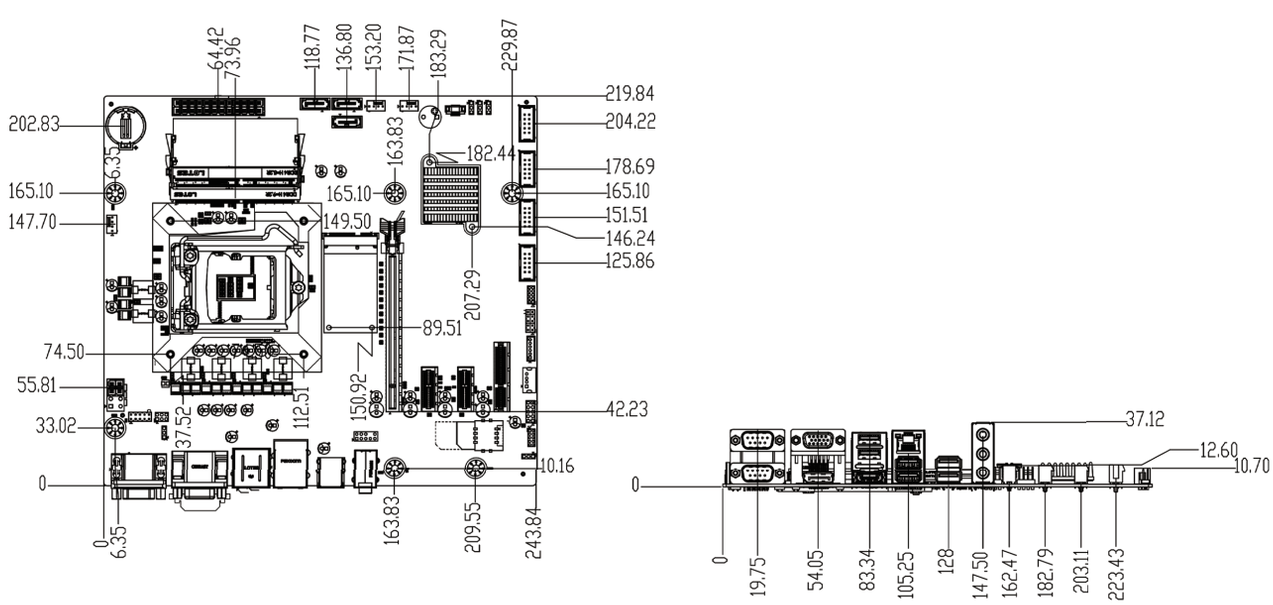
处理器 Processor System	CPU	Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series processor, TDP up to 95W
	插槽 Socket	LGA1151
	芯片组 Chipset	Intel H110
	BIOS	AMI 128Mb UEFI BIOS
内存 Memory	技术 Technology	Dual Channel(Non-ECC) DDR4-1866/2133/2400/2666MHz，up to 64GB
	插槽 Slot	2 x DDR4 SO-DIMM slots
存储 Storage	mSATA	1 x mSATA
	SATA	3 x SATA3.0 (up to 6Gb/s)
图形 Graphic	控制器 Controller	Intel HD graphics integrated
音频 Audio	编码器 Codec	Realtek ALC897 codec
外部接口 Rear I/O	显示 Display	1 x VGA, resolution up to 1920x1200@60Hz
		1 x DP，resolution up to 4096x2304@60Hz
		1 x HDMI 1.4，resolution up to 4096x2160@30Hz
	网络 Ethernet	1 x GbE Intel i219-V
	音频 Audio	1 x Line-out，1 x Mic-in，1 x Line-in
	USB	4 x USB3.0(5Gbps)，2 x USB2.0(480bps)
	串口 Serial Port	1 x RS232/485，1 x RS232
内部接口 Internal I/O	USB	1 x USB2.0 pin header（1 x 2*5pin），1 x Vertical USB2.0 type-A connector
	串口 Serial	2 x RS232 wafer(2*5pin),2 x RS232 wafer(2*5pin,optional)
	PS/2	1 x PS/2 wafer(1*6pin)
	LPC	1 x LPC header(2*5pin)
	FP	1 x FP(Power LED, HDD LED, Power button, Reset button)(2*5pin)
	FAN	2 x System FAN (1*4pin),1 x CPU FAN (1*4pin)
扩展接口 Expansion Slots	PCIe X 16	1 x PCIeX16(Gen3) slot
	PCIe X 4	1 x PCIeX4（Gen2,x2link）
	PCIe	2 x PCIE (Gen2,x1link) slots
	Mini-PCIe	1 x mini-PCIe slot（SATA / USB Signal）with Nano-SIM card
安全 Security	TPM	fTPM2.0
看门狗定时器 Watchdog Timer	输出 & 间隔 Output&Interval	System reset，programmable from 1~255 sec
电源 Power	类型 Type	ATX Power Input：24-Pin ATX + 4-Pin ATX 12V
操作系统 O.S Support	MS Windows	Windows 7/8.1(Only support with Intel 6th Gen. CPU)，Windows 10
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)244mm x(W) 220mm
	净重 Gross Weight	0.54KG
环境 Environment	工作温度 Operating	0°C ~ 60°C
	存储温度 Storage	-40°C ~ 85°C
	相对湿度 Humidity	5~95% (Non-condensing)

框架图 Block Diagram



机构图 Mechanical Drawing

单位 (Unit): mm



All product specifications are subject without notice.

订购信息 Order Information

料号 Part No.	型号 Model	描述 Description
F31.510502.10.NEK	NK-5105	ATX，H110，6/7/8/9th，2*DDR4 SO-DIMM，MSATA，ATX POWER INPUT

包装清单 Packing List

料号 Part No.	数量 Qty	描述 Description
KF0.001015.00.L54	2	Single COM port Cable(Length=500mm)
KF0.001025.00.L54	1	Single SATA Date Cable(Length=600mm)
L91.000117.00.G35	1	Single I/O Port Bracket

Note: Driver CD is not provided. Please visit Nodka support website for driver download.

可选配件 Optional Accessories

料号 Part No.	描述 Description
L45.000013.00.B14	LGA1151 2U CPU Cooler,TDP up to 125W
L45.000018.00.B14	LGA1151 4U CPU Cooler,TDP up to 125W
KF0.001015.00.L54	Single COM port Cable(Length=500mm)
KF0.001092.00.L54	Dual COM Cable with Bracket(Length=300mm)
KF0.001025.00.L54	Single SATA Date Cable(Length=600mm)
KF0.001090.00.L54	1 in 2*USB2.0 Type-A Y Cable with Bracket(Length=300mm)
KF0.001093.00.Y09	PS2 Cable with Bracket(Length=300mm)
L91.000117.00.G35	Single I/O Port Bracket