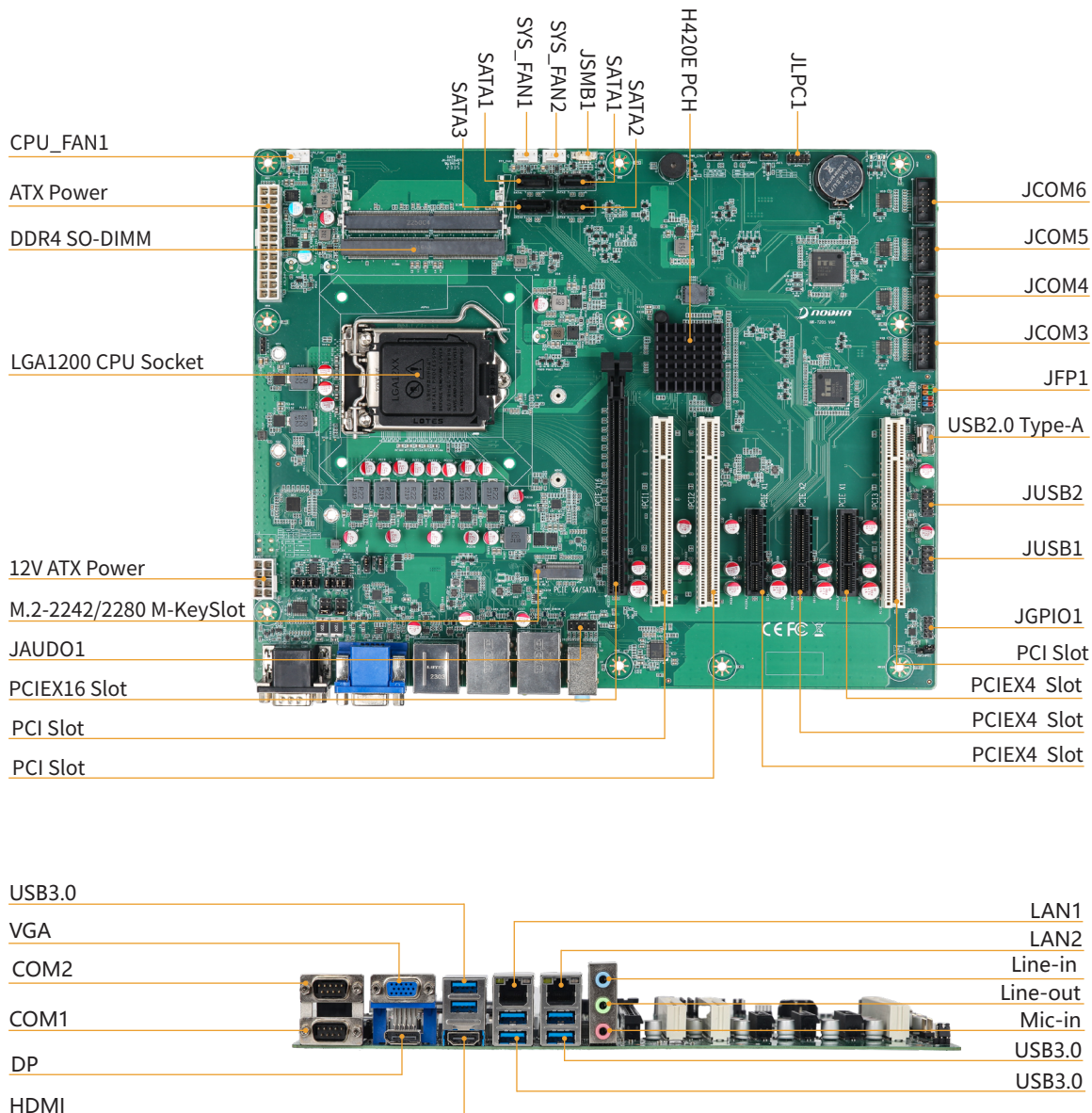


NK-7205

H420E Chipset Support LGA1200 10/11th Generation processor ATX Motherboard

特点 Feature

- Intel® 10/11th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W
- Support dual channel(Non-ECC) DDR4-2933/3200MHz SO-DIMM slot up to 64GB
- Support VGA,HDMI,DP Tri-Display
- 2 x Giga-bit Ethernet
- 6 x USB3.0 ports, 4 x USB2.0 ports
- 2 x RS232/RS485, 4 x RS232
- 3 x SATA3.0, 1 x SATA M.2-2242/2280 Slot
- 1 x PCIE X 16, 1 x PCIE X 4(x2link), 2 x PCIEX4(x1link), 3 x PCI slots

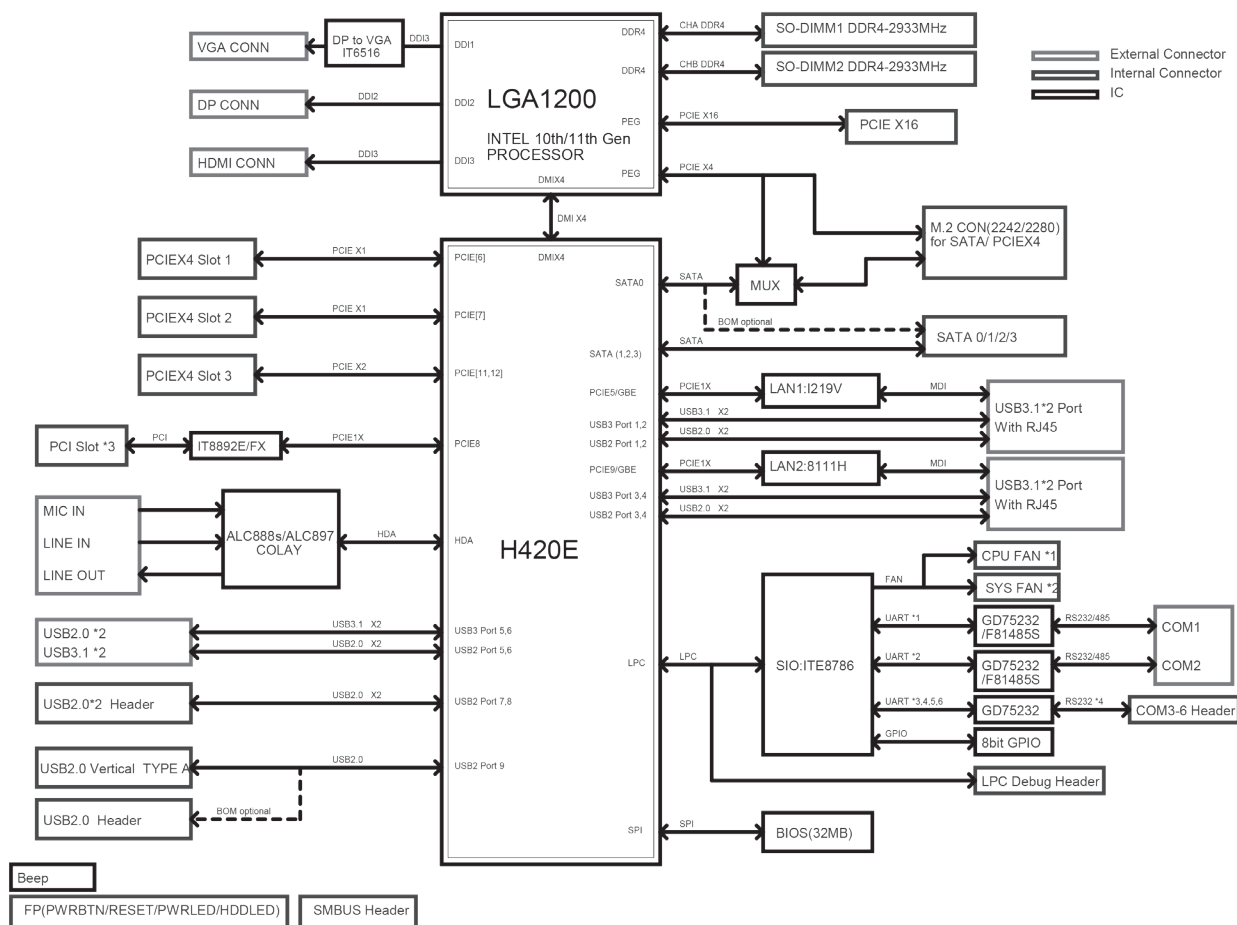


规格 Specification

处理器 Processor System	CPU	Intel® 10/11th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W
	插槽 Socket	LGA1200
	芯片组 Chipset	Intel H420E
	BIOS	AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology	Dual Channel(Non-ECC) DDR4 2933/3200MHz, up to 64GB
存储 Storage	插槽 Slots	2 x 260-pin SO-DIMM slots
存储 Storage	M.2 SSD	1 x M.2-2242/2280 Key M slot ^[1] (SATA3.0 /PCIE 4.0 Signal)(BOM Optional share signal with 1*SATA3.0,default M.2-2242/2280)
	SATA	4 x SATA3.0 (up to 6Gb/s, 1 x SATA3.0 (optional))
图形 Graphics	控制器 Controller	Intel HD graphics integrated
音频 Audio	编解码器 Codec	Realtek ALC897
外部接口 Rear I/O	显示 Display	1 x VGA, resolution up to 1920x1200@60Hz
		1 x DP, resolution up to 4096x2160@60Hz
		1 x HDMI, resolution up to 4096 x 2160@30Hz
	网络 Ethernet	2 x GbE(RJ45) LAN1: Intel i219-V ,LAN2: Realtek 8111H controller
	USB	6 x USB3.0 (5Gbps)
	串口 Serial	2 x RS232/485
	音频 Audio	1 x Line-out, 1 x Mic-in, 1 x Line-in
内部接口 Internal I/O	USB	4 x USB2.0 pin header (2 x 2*5pin) (Default), 1 x vertical USB2.0 type-A connect(BOM optional share signal with 1*USB2.0 header,define type-A)
	COM	4 x RS232 header
	LPC	1 x LPC header for debug
	FAN	1 x CPU Fan / 2 xSYS Fan
	GPIO	1 x 8bit GPIO
	SMbus	1 x SMbus wafer
扩展槽 Expansion Slots	PCIe X16	1 x PCIeX16(Gen3) slot
	PCIe X4	2 x PCIeX4(Gen3, x1 link) slots,1 x PCIeX4(Gen3, x2 link) slot
	PCI	3 x PCI slots
看门狗定时器 Watchdog Timer	输出 & 间隔 Output & Interval	System reset, programmable from 1~255 sec
安全 Security	TPM	fTPM2.0
电源 Power	类型 Type	ATX Power Input: 24-Pin ATX + 8/12-Pin ATX 12V
	功耗 Consumption	TBD
操作系统 OS Support	Microsoft Windows	Windows 10 /11
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)305mm x(W) 244mm
	净重 Gross Weight	TBD
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)

[1] SATA signal share with SATA port0, PCIeX4 signal only support with 11th Gen. processors

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
TBD	NK-7205-H420E	ATX MB,H420E,10/11th CPU,2xDDR4 SODIMM,1xM.2-2242/2280,3xSATA3.0,2xLAN,6xCOM,10xUSB

包装清单 Packing List

料号 Part No.	数量 Qty	描述 Description
	1	NK-7205 User manual
	4	Single COM port Cable(400mm)
	1	Single SATA Date Cable(450mm)
	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
TBD	LGA1200 CPU Cooler,TDP up to 125W
TBD	Single COM Port Cable(400mm)
TBD	1 in 2*USB2.0 Type-A Y Cable(300mm)
TBD	Single SATA Date Cable(450mm)
TBD	Single I/O Port Bracket
TBD	Single I/O Port Bracket