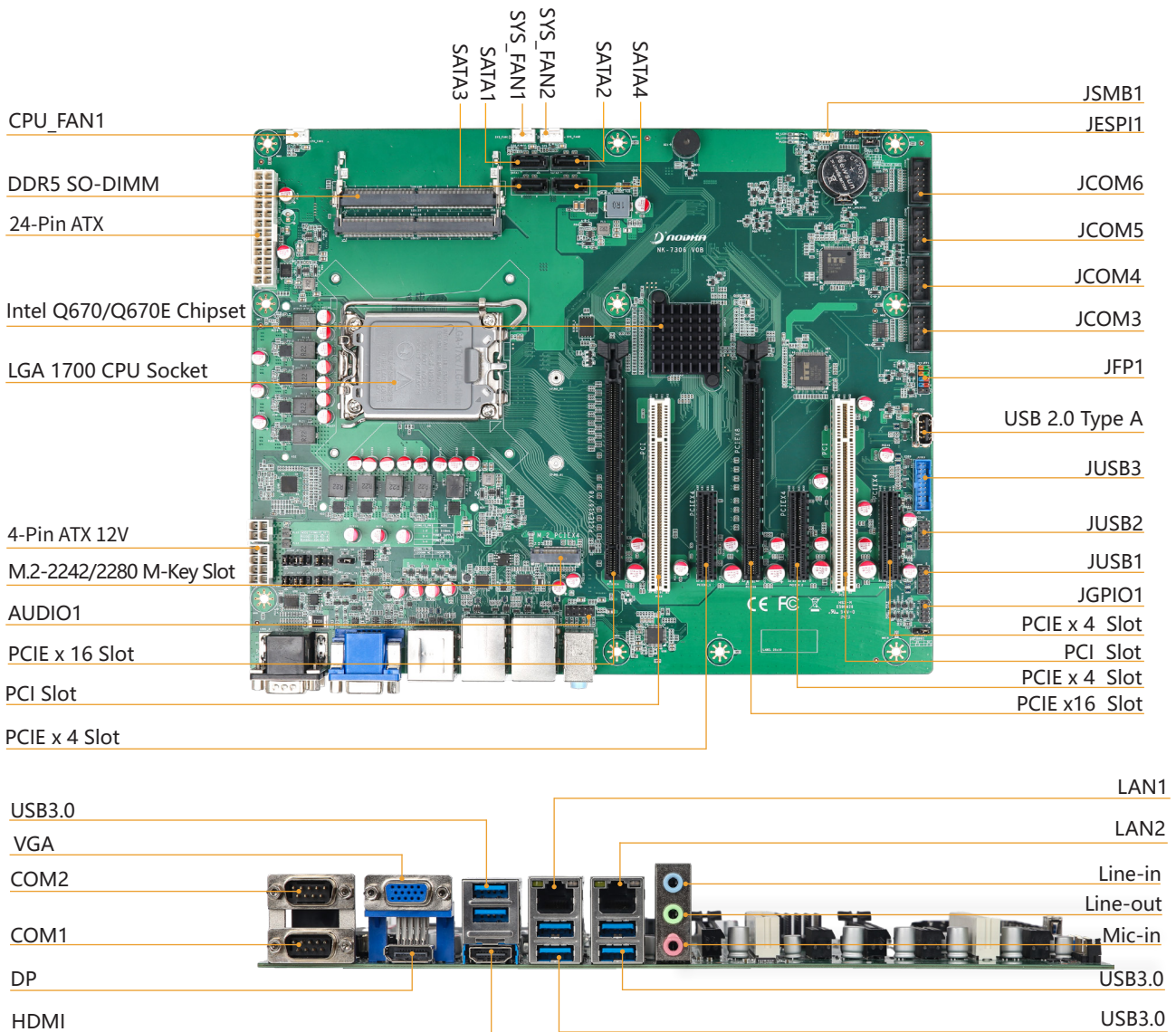


# NK-7306

Q670/Q670E Chipset Support LGA1700 12/13th Generation processor ATX Motherboard

## 特点 Feature

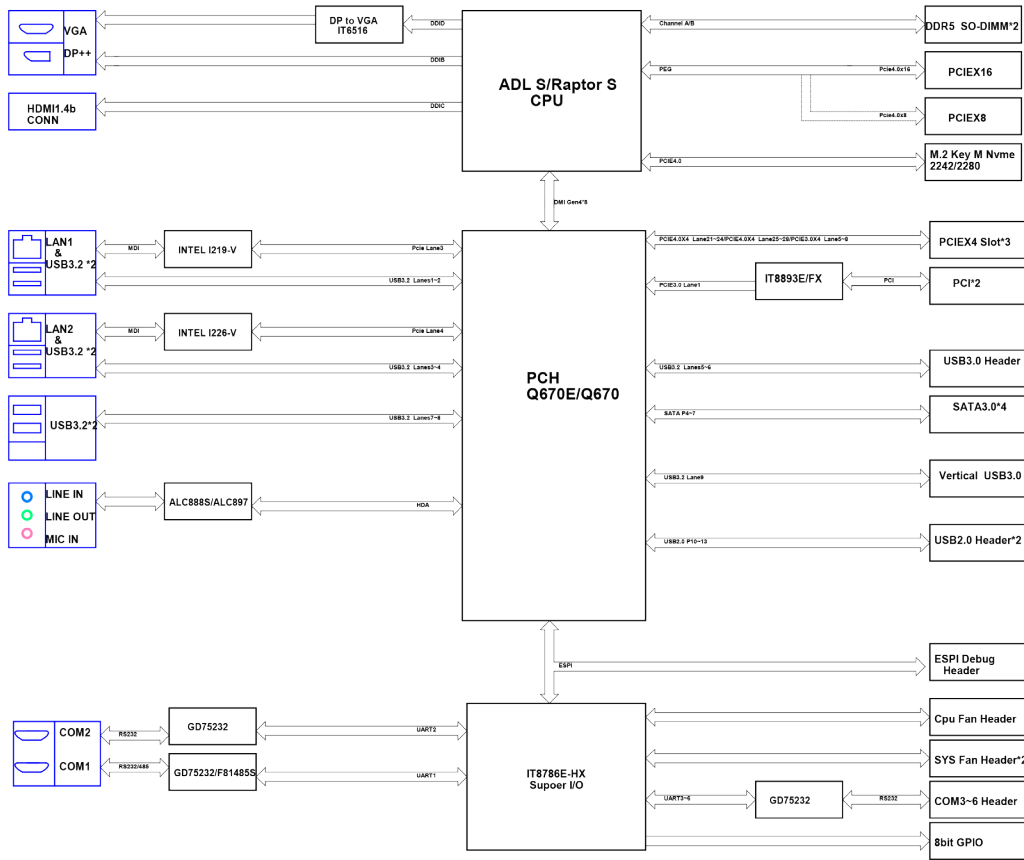
- Intel® 12/13th Generation Celeron/Pentium/Core-I series LGA1700 processor,TDP up to 125W
- Support dual channel(Non-ECC) DDR5-4800/5600MHz SO-DIMM slot, up to 64GB
- Support VGA,HDMI,DP Tri-display
- 1 x Giga-bit Ethernet,1 x 2.5 Giga-bit Ethernet
- 8 x USB3.0 ports, 5 x USB2.0 ports
- 2 x RS232/485, 4 x RS232
- 4 x SATA3.0 support software RAID 0,1,5,10,1xM.2-2242/2280 SATA/NVME Slot
- 2 x PCIe4.0 X 16 (1 x 16 or 2 x 8 link),3 X PCIe X 4, 2 X PCI



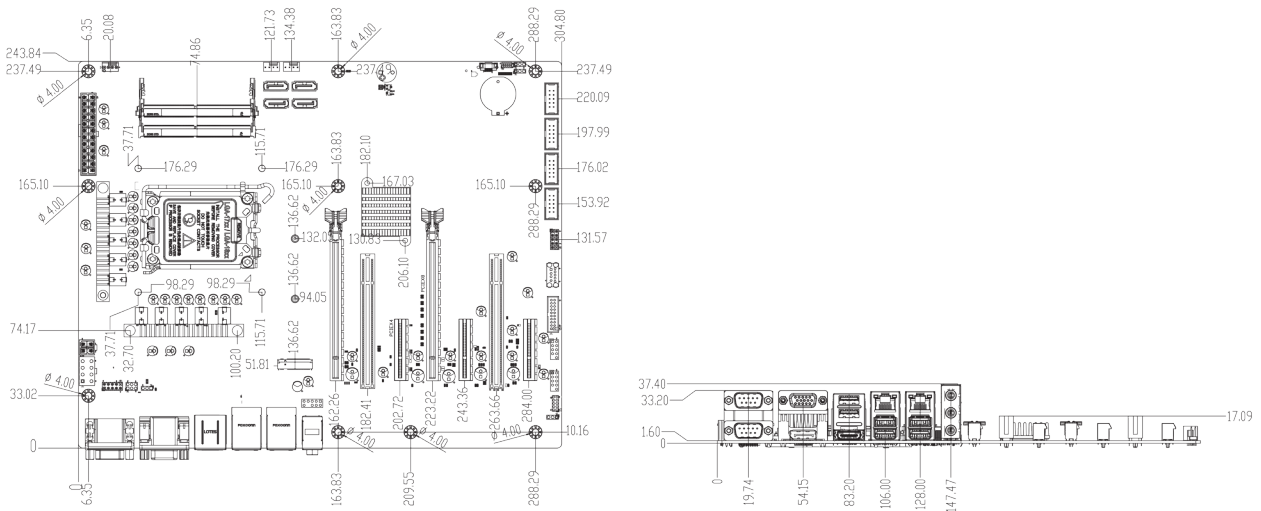
## 规格 Specification

处理器 Processor System	CPU	Intel® 12/13th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W
	插槽 Socket	LGA1700
	芯片组 Chipset	Intel Q670/Q670E
	BIOS	AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology	Dual Channel(Non-ECC) DDR5-4800/5600MHz, up to 64GB
	插槽 Slot	2 x 262-pin SO-DIMM slots
存储 Storage	SATA	4 x SATA3.0 ports,Support software RAID 0,1,5,10
	M.2	1 x M.2-2242/2280 M Key Slot (PCIe4.0 X 4 Signal)
图形 Graphic	控制器 Controller	Intel HD graphics integrated
音频 Audio	编码器 Codec	Realtek ALC 897 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 4096x2160@60Hz
		1 x HDMI, resolution up to 4096x2160@30Hz
	网络 Ethernet	2 x GbE(RJ45)LAN1: Intel i219-V ;LAN 2: Intel i226-V
	USB	6 x USB3.0(5Gbps)
	串口 Serial Port	2 x RS485/232
音频 Audio		1 x Mic-in, 1 x Line-in, 1 x Line-out
内部接口 Internal I/O	COM	4 x RS232 wafer
	USB	2 x USB3.0 pin header(1 x 2*5pin),4 x USB2.0 pin header,(2 x 2*5pin),1 x Vertical USB2.0 type-A connector
	eSPI	1 x eSPI header for debug
	FAN	1 x CPU Fan wafer(1*4pin), 2 x SYS Fan wafer(1*4pin)
	GPIO	1 x 8bit GPIO
	SMBus	1 x SMBus wafer
	Front Panel	1 x Front Panel(Power LED, HDD LED, Power button, Reset button)
扩展接口 Expansion Slots	PCIe X 16	2 x PCIe X 16(Gen4) slots (1 x 16 or 2 x 8 link)
	PCIe X 4	3 x PCIe X 4(Gen4) slots
	PCIe	2 x PCI slots
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 + 8/12-Pin ATX 12V
	功耗 Consumption	TBD
操作系统 O.S Support	MS Windows	Windows10/11
	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)

## 框架图 Block Diagram



## 机构图 Mechanical Drawing



## 订购信息 Order Information

料号 Part No.	型号 Model	描述 Description
	NK-7306-Q670	ATX MB,Q670,12/13th CPU,2xDDR5 SODIMM,1xM.2-2242/2280,4xSATA3.0,2xLAN,6xCOM,13xUSB

## 包装清单 Packing List

料号 Part No.	数量 Qty	描述 Description
	1	NK-7306 User manual
	4	Single COM port Cable(400mm)
	1	Single SATA Date Cable(450mm)

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
	LGA1700 CPU Cooler,TDP up to 125W
	Single COM Port Cable(400mm)
	1 in 2*USB2.0 Type-A Y Cable(300mm)
	Single SATA Date Cable(450mm)
	Single I/O Port Bracket
	1 in 2*USB3.0 Type-A Y Cable(300mm)