

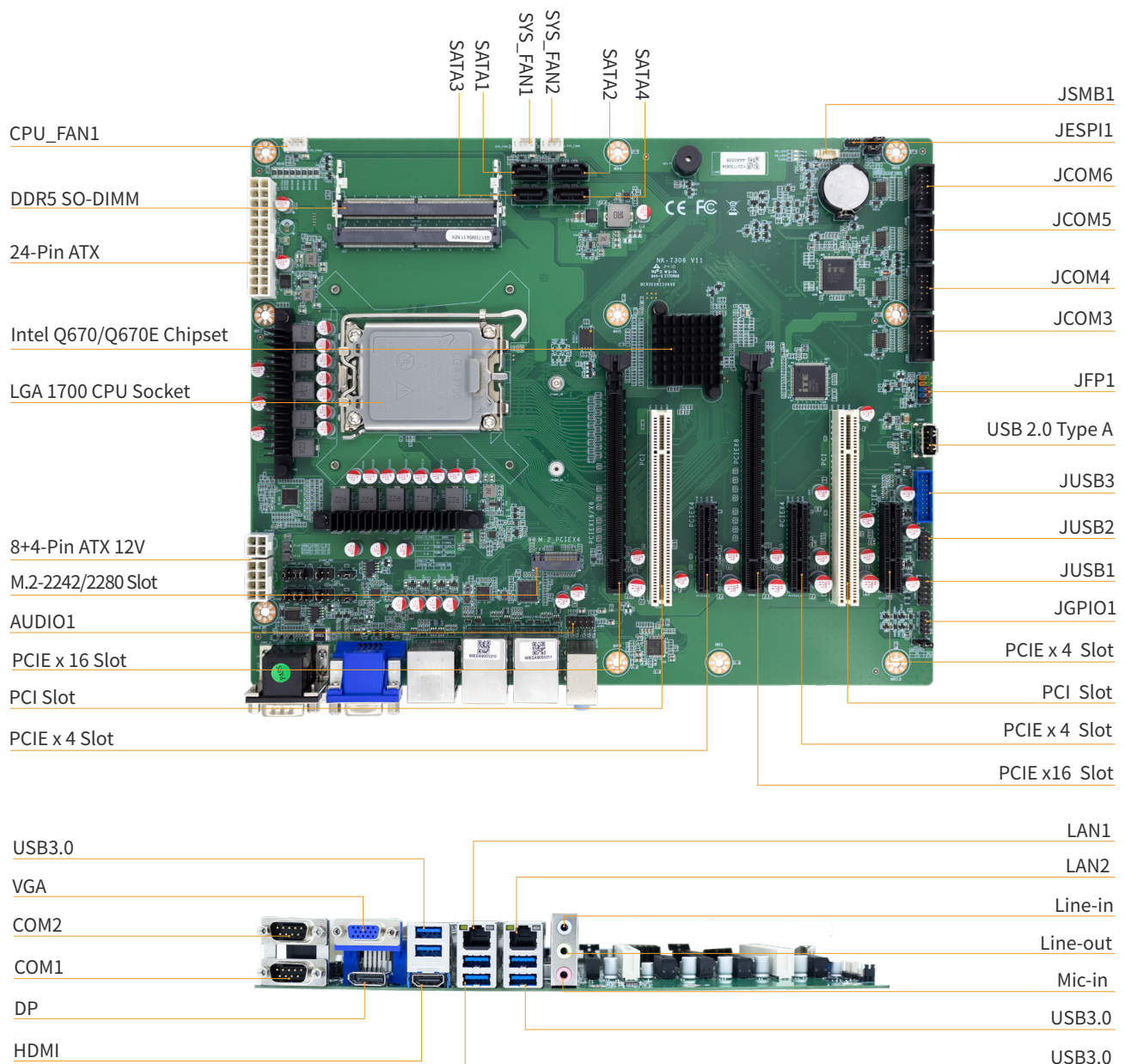
NK-7306

12/13/14 th processor Q670/Q670E Chipset ATX Motherboard

01 Feature

- Intel® 12/13/14 th Generation Celeron/Pentium/Core-I series LGA1700 processor,TDP up to 125W
- Support dual channel(Non-ECC) DDR5-4800MHz SO-DIMM slot, up to 64GB
- Support VGA,HDMI,DP Tri-display
- 2 x 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 PCIe Slot
- 2 x PCIe4.0 X 16 (Gen4,1 x 16 or 2 x 8 link),3 x PCIe X 4(Gen4), 2 X PCI

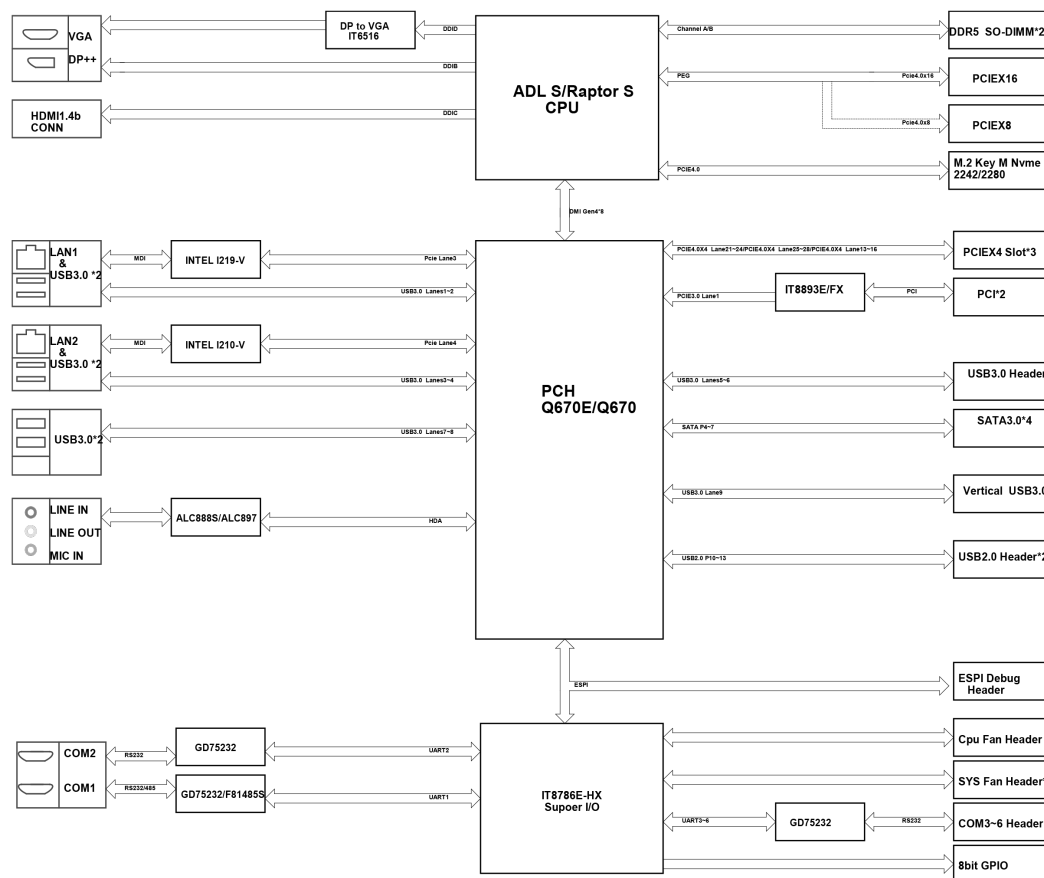
02 I/O Layout



03 Specification

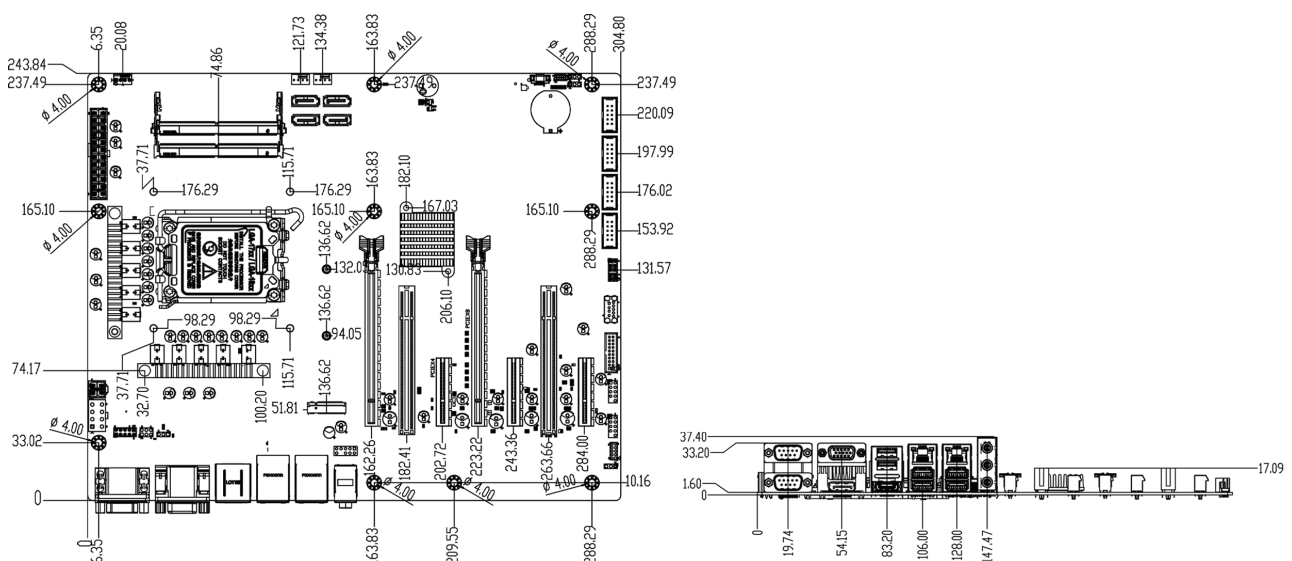
Project		Content
Processor System	CPU	Intel® 12/13/14 th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W
	Socket	LGA1700
	Chipset	Intel Q670/Q670E
	BIOS	AMI 256Mb UEFI BIOS
Memory	Technology	Dual Channel(Non-ECC) DDR5-4800MHz, up to 64GB
	Slot	2 x DDR5 SO-DIMM slots
Storage	SATA	4 x SATA3.0 ports,Support software RAID 0,1,5,10
	M.2	1 x M.2-2242/2280 M Key Slot(PCIE/Signal)
Graphic	Controller	Intel HD graphics integrated
Audio	Codec	Realtek ALC 897 codec
Rear I/O	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
	Ethernet	2 x GbE(RJ45);LAN1: Intel i219-V controller ;LAN 2: Intel i210-AT controller
	USB	6 x USB3.0(5Gbps)
	Serial Port	2 x RS485/232
	Audio	1 x Mic-in, 1 x Line-in, 1 x Line-out
Internal I/O	USB	2xUSB3.0 Pin header(1x2*5pin),4xUSB2.0 Pin header,(2x2*5pin),1 x vertical USB2.0 type-A connector
	Serial	4 x RS232 wafer(2*5pin)
	eSPI	1 x eSPI header (2*5pin)
	FAN	2 x System FAN (1*4pin),1 x CPU FAN (1*4pin)
	GPIO	1 x 8bit GPIO(2*5pin)
	SMbus	1 x SMbus wafer(2*5pin)
	FP	1 x FP(Power LED, HDD LED, Power button, Reset button)
Expansion Slots	PCIe X 16	2 x PCIe X 16(Gen4) slots (1 x 16 or 2 x 8(default) link)
	PCIe X 4	3 x PCIe X 4(Gen4) slots
	PCI	2 x PCI slots
Security	TPM	fTPM2.0
Watchdog Timer	Output&Interval	System reset, programmable from 1~255 sec
Power	Type	ATX Power Input: 24-Pin ATX + 8/12-Pin ATX 12V
O.S Support	MS Windows	Windows10/11
	Linux	Linux
Mechanism	Dimensions	(L)305mm x(W) 244mm
	Gross Weight	0.71KG
Environment	Operating	0°C ~ 60°C
	Storage	-40°C ~ 85°C
	Humidity	5~95% (Non-condensing)

04



05

Unit: mm



06 Order Information

Part No.	Model	Description
F31.730611.11.NEK	NK-7306	ATX, Q670, 12/13/14th, 2*DDR5-4800, M.2-2242/2280(SATA/NVME), ATX Power Input

07 Packing List

Part No.	Qty	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.

08 Optional Accessories

Part No.	Description
L45.000014.00.B14	LGA1700 2U CPU Cooler,TDP up to 125W
L45.000017.00.B14	LGA1700 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)
KF0.001091.00.L54	1 in 2*USB3.0 Type-A Y Cable with Bracket(Length=300mm)
KF0.001090.00.L54	1 in 2*USB2.0 Type-A Y Cable with Bracket(Length=300mm)
L91.000117.00.G35	Single I/O Port Bracket