



23+年
专注自动化技术

30+
畅销国家

6000+
建立合作客户

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扫码关注
诺达佳微信公众号

嵌入式工业主板 产品型录



激进的COMLAC模块化电脑专家

 **nodka** 诺达佳



成为全球领先的IPC&HMI系统平台制造商

Becoming the Global Leading IPC&HMI System Platform Manufacturer

诺达佳(NODKA)创立于 2001 年，总部位于中国苏州，拥有苏州、昆山和深圳三大研发中心，致力于工业PC和HMI系统平台产品的研发创新、生产制造、销售，兼具OEM/ODM客制化服务能力，满足客户少量、多样化和大批量制造需求，为自动化、量测、通讯等领域的客户提供全方位的产品及解决方案，全国主要城市29个销售办事处，可以为客户提供便捷、高效的技术支持和服务，产品销售至30多个国家，成功服务全球5000+客户并建立长期合作关系。

拥有苏州和安徽2个制造基地，5万多平米生产工厂，建立系统整机组装、SMT/DIP、精密钣金、CNC加工、烤漆和阳极氧化表面处理等全流程智能制造中心，工厂制程与管控皆符合ISO9001、ISO14001认证规范。

卓越的研发实力



专业的服务能力

诺达佳在全国范围内建立了29个销售服务网点，为客户提供高效、专业的技术支持。

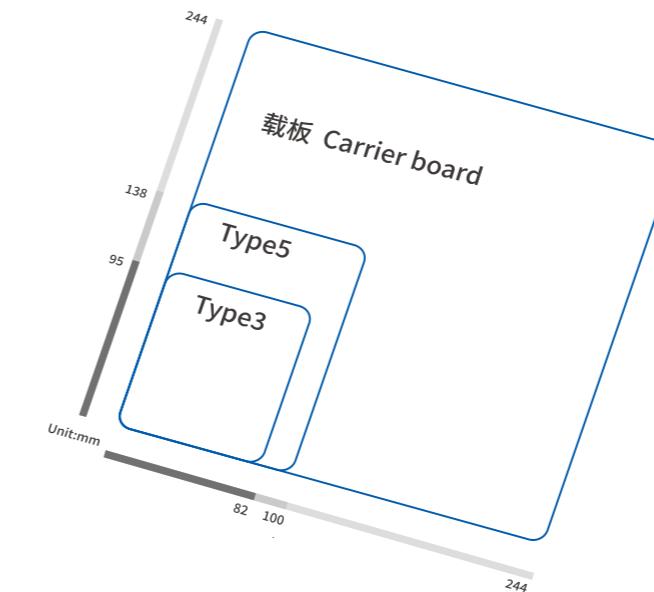


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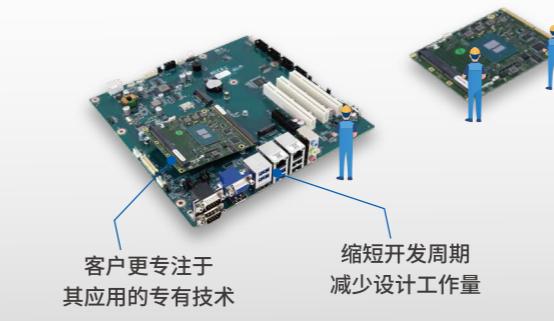
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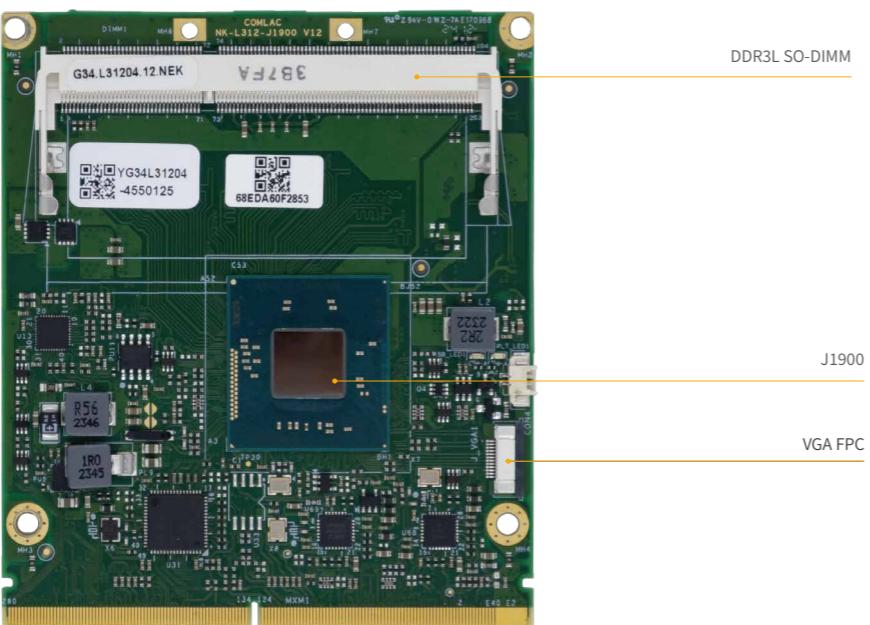


保护核心技术



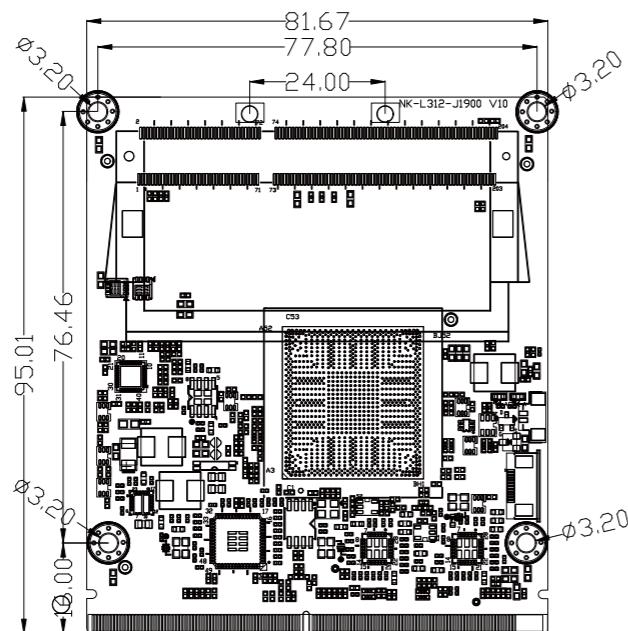
NK-L312-J1900

Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, TDP 10W



- Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, TDP 10W
- Support 1 x DDR3L-1333MHz SO-DIMM slot, up to 8GB
- Support 1 x VGA FPC Connector, 2 x DDI dual display
- Type3 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

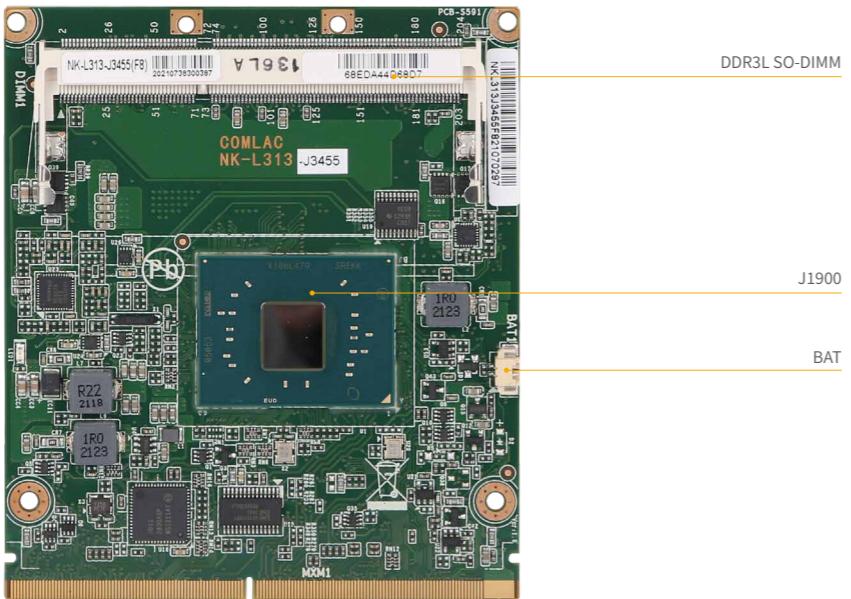


规格 Specification

项目	NK-L312-J1900	
CPU	Intel® Celeron® J1900 processor 2.0GHz,TDP 10W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
BIOS	AMI 64Mb UEFI BIOS	
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR3L-1333MHz, up to 8GB
	插槽 Slot	1 x DDR3L 240-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Intel HD graphics integrated
显示 Display	2 x DDI, 1 x VGA FPC Connector	
串口 Serial Port	2 x Uart(9line), 4 x Uart(3line)	
USB	1 x USB 3.0, 8 x USB2.0	
SATA	2 x SATA 2.0	
PCIe	3 port 3 lanes(3 X1)	
GPIO	1 x 4bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart Fan	
网络 Ethernet	Intel i210AT controller	
其他 others	1 x I²C, 1 x SMBus, 1 x LPC, 1 x Buzzer, 1 x KB/MS	
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
电源 Power	Power input	5V
操作系统 OS Support	MS Windows	Windows 7/8/10
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)95mm x (W)82mm
	净重 Gross Weight	0.04kg
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

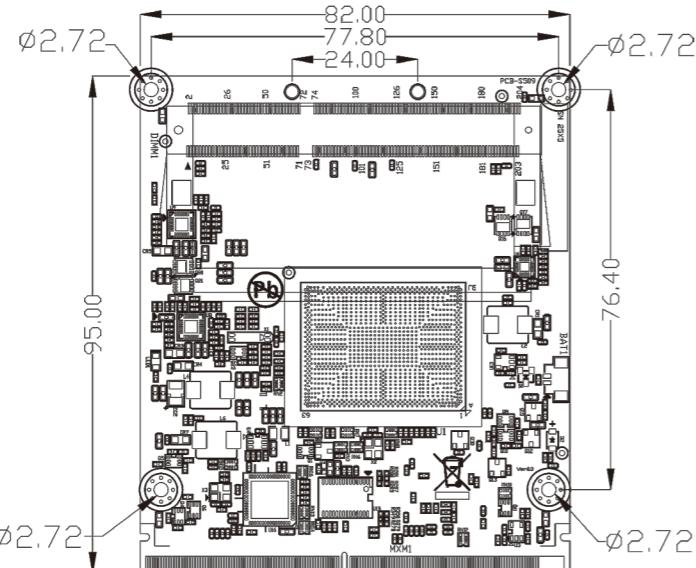
NK-L313-J3455

Intel® Celeron® J3455 processor, Quad-core, base frequency 1.5GHz up to 2.3GHz, TDP 10W



- Intel® Celeron® J3455 processor, Quad-core, base frequency 1.5GHz up to 2.3GHz, TDP 10W
- Support 1x DDR3L-1866MHz SO-DIMM slot, up to 8GB
- Support 2 x DDI, 1 x eDP, Dual-display
- Type3 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

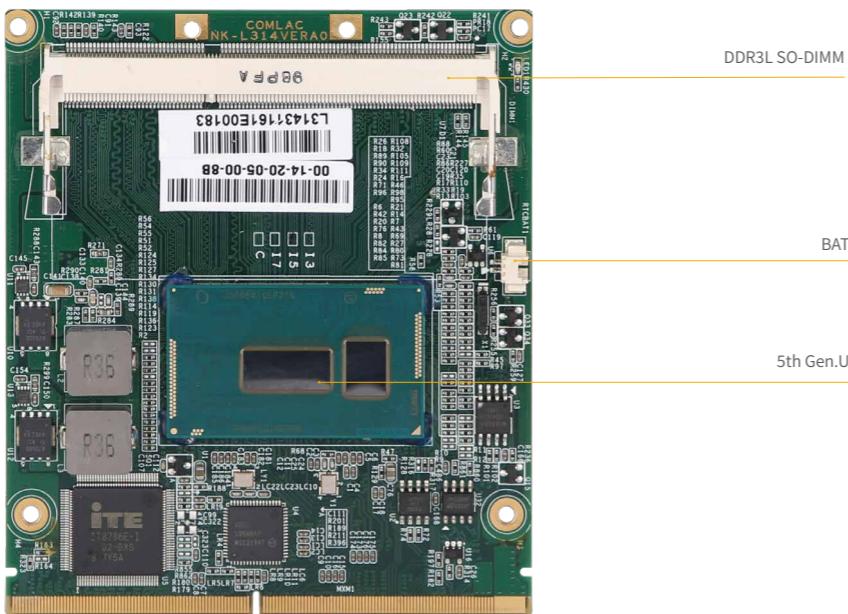


规格 Specification

项目	NK-L313-J3455	
CPU	Intel® Celeron® J3455 processor 1.5GHz up to 2.3GHz,TDP 10W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
BIOS	AMI 128Mb UEFI BIOS	
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR3L-1866MHz, up to 8GB
	插槽 Slot	1 x DDR3L 240-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Intel HD graphics integrated
显示 Display	2 x DDI,1 x eDP	
串口 Serial Port	2 x Uart(9line),4 x Uart(3line)	
USB	2 x USB 3.0,8 x USB2.0	
SATA	2 x SATA 3.0	
PCIe	5 port 5 lanes(1 X2 ,3 X1)	
GPIO	1 x 4bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart Fan	
网络 Ethernet	Intel i210AT controller	
其他 others	1 x I²C,1 x SMBus,1 x LPC,1 x Buzzer,1 x KB/MS	
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
电源 Power	Power input	5V
操作系统 OS Support	MS Windows	Windows 7/10
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)95mm x (W)82mm
	净重 Gross Weight	0.04kg
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

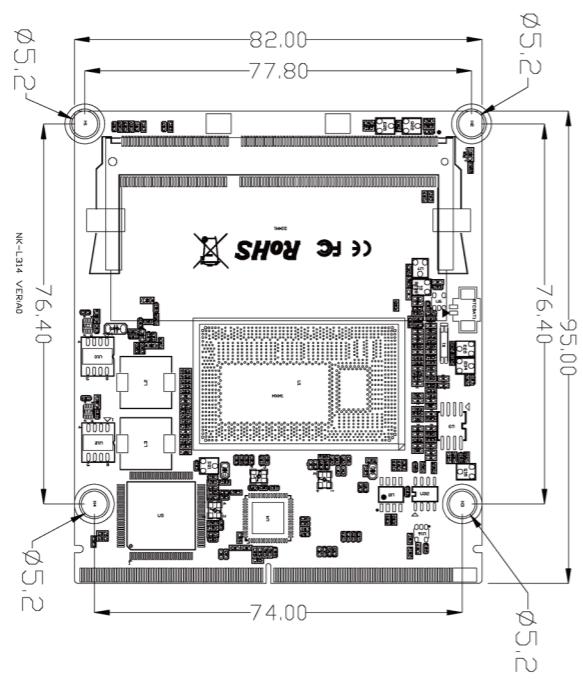
NK-L314-5005U/5300U/5500U

Intel® 5th Gen. U Core Processors, TDP 15W



- Intel® 5th Gen. U Dual Core Processors i3-5005U ,base Frequency 2.0GHz up to 2.9GHz),TDP 15W
- Intel® 5th Gen. U Dual Core Processors i5-5300U ,base Frequency 2.3GHz up to 2.9GHz),TDP 15W
- Intel® 5th Gen. U Dual Core Processors i7-5500U ,base Frequency 2.4GHz up to. 3.0GHz),TDP 15W
- Support 1 x DDR3L-1333/1600MHz SO-DIMM slot, up to 8GB
- Support 1 x eDP,2 x DDI Tri-display
- Type3 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

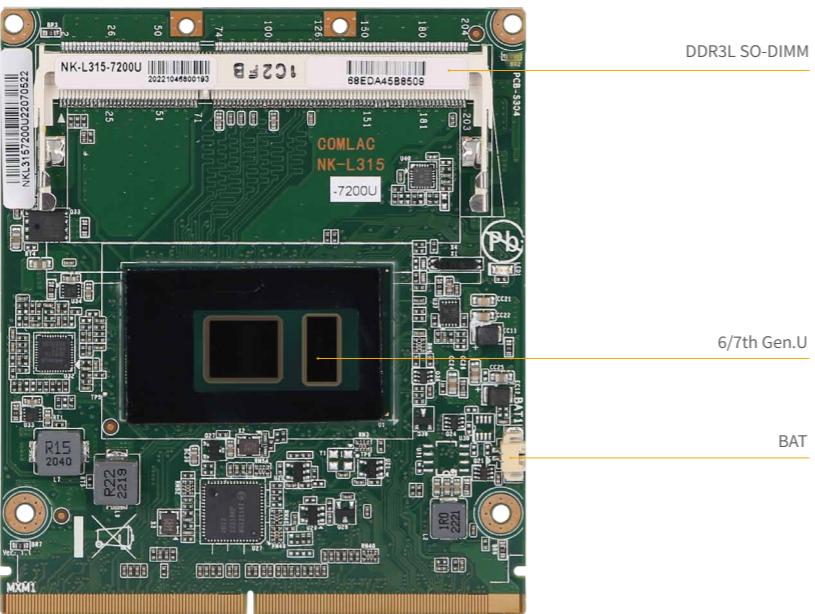


规格 Specification

项目	NK-L314-5005U/5300U/5500U	
CPU	Intel® 5th Gen. U Core Processors, TDP 15W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
BIOS	AMI 128Mb UEFI BIOS	
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR3L-1333/1600MHz, up to 8GB
	插槽 Slot	1 x DDR3L 240-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Intel HD graphics integrated
显示 Display	2 x DDI,1 x eDP	
串口 Serial Port	2 x Uart(9line),4 x Uart(3line)	
USB	2 x USB3.0,8 x USB2.0	
SATA	2 x SATA 3.0	
PCIe	5 port 8 lanes(1 X4,4 X1)	
GPIO	1 x 4bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart Fan	
网络 Ethernet	Intel i210AT controller	
其他 others	1 x I²C,1 x SMBus,1 x LPC,1 x Buzzer, 1 x KB/MS	
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
电源 Power	Power input	5V
操作系统 OS Support	MS Windows	Windows 7/10
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)95mm x (W)82mm
	净重 Gross Weight	0.04kg
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

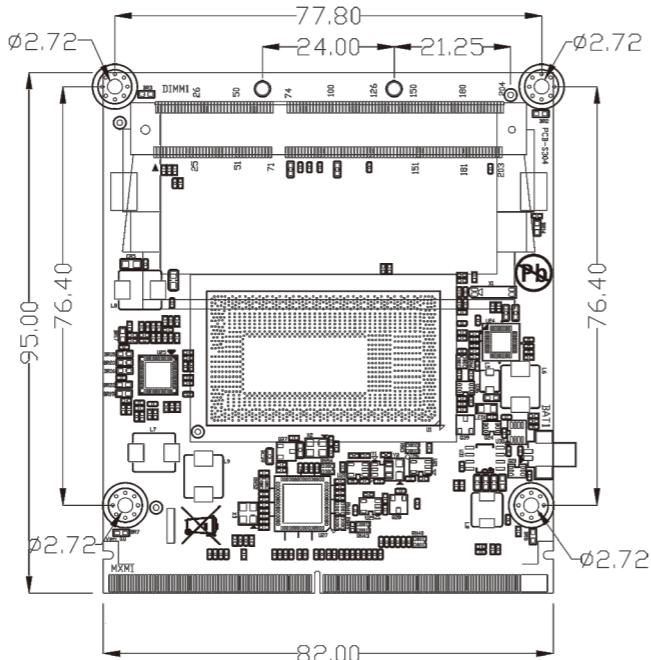
NK-L315-3855U/6200U/7200U/7600U

Intel® 6/7th Gen.U Celeron Core processor, TDP 15W



- Intel® Celeron® 3855U processor, Dual-core, base frequency 1.6GHz , TDP 15W
- Intel® Core™ i5-6200U processor, Dual-core, base frequency 2.3GHz up to 2.8GHz , TDP 15W
- Intel® Core™ i7-7600U processor, Dual-core, base frequency 2.8GHz up to 3.9GHz , TDP 15W
- Intel® Core™ i5-7200U processor, Dual-core, base frequency 2.5GHz up to 3.1GHz , TDP 15W
- Support 1 xDDR3L-1600MHz SO-DIMM slot, up to 8GB
- Support 1 xeDP,2 x DDI Tri-display
- Type3 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

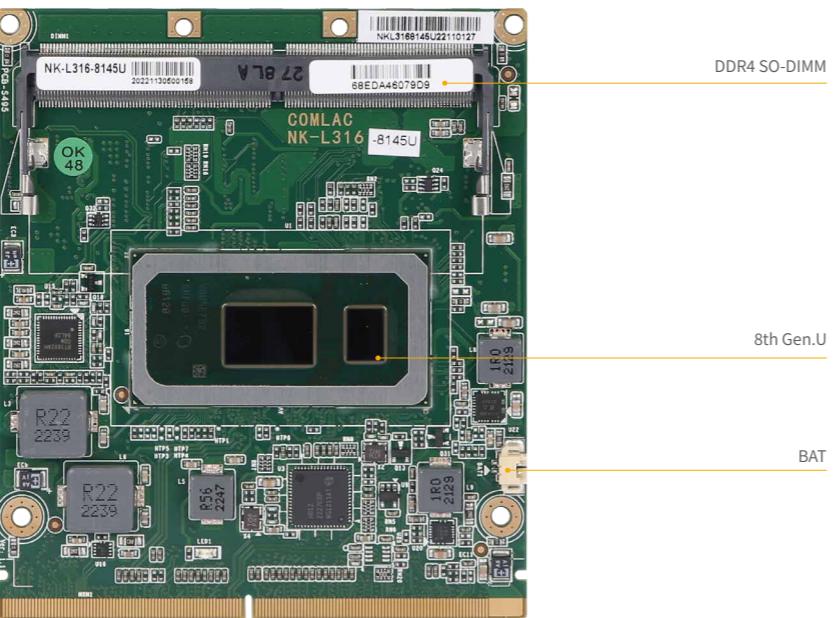


规格 Specification

项目	NK-L315-3855U/6200U/7200U/7600U	
CPU	Intel® 6/7th Gen.U Celeron Core processor, TDP 15W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
BIOS	AMI 128Mb UEFI BIOS	
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR3L-1600MHz, up to 8GB
	插槽 Slot	1 x DDR3L 240-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Intel HD graphics integrated
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 ,8x USB2.0	
SATA	2 x SATA 3.0	
PCIe	5 port 8 lanes(1 X4,1 X2,2 X1)	
GPIO	1 x 4bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart Fan	
网络 Ethernet	Intel i210AT controller	
其他 others	1 x I²C,1 x SMBus,1 x LPC,1 x Buzzer,1 x KB/MS	
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
电源 Power	Power input	5V
操作系统 OS Support	MS Windows	Windows 7(Only support with Intel 6th Gen. CPU),Windows 10
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)95mm x (W)82mm
	净重 Gross Weight	0.04kg
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

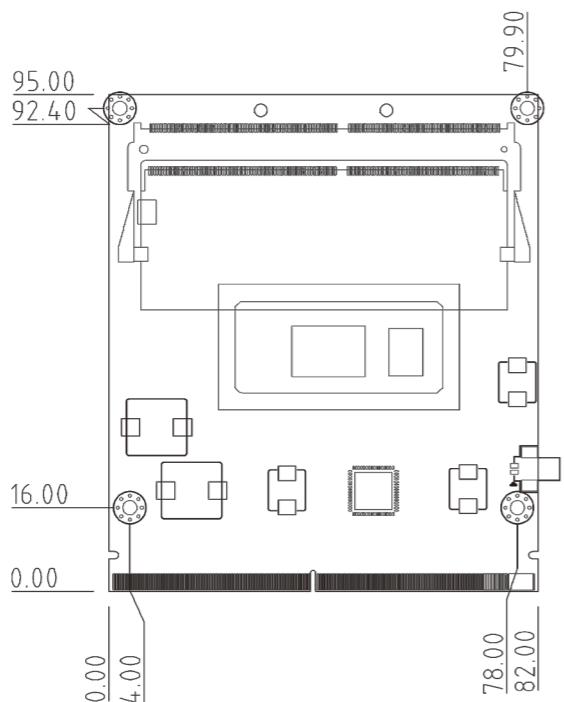
NK-L316-4205U/8145U/8265U

Intel® 8th Gen. U processor, TDP 15W



- Intel® Celeron®. 4205U processor, Dual-core, base frequency 1.8GHz , TDP 15W
- Intel® Core™. i3-8145U processor, Dual-core, base frequency 2.1GHz up to 3.9GHz , TDP 15W
- Intel® Core™. i5-8265U processor, Quad-core, base frequency 1.6GHz 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

尺寸图 Size(Unit:mm)

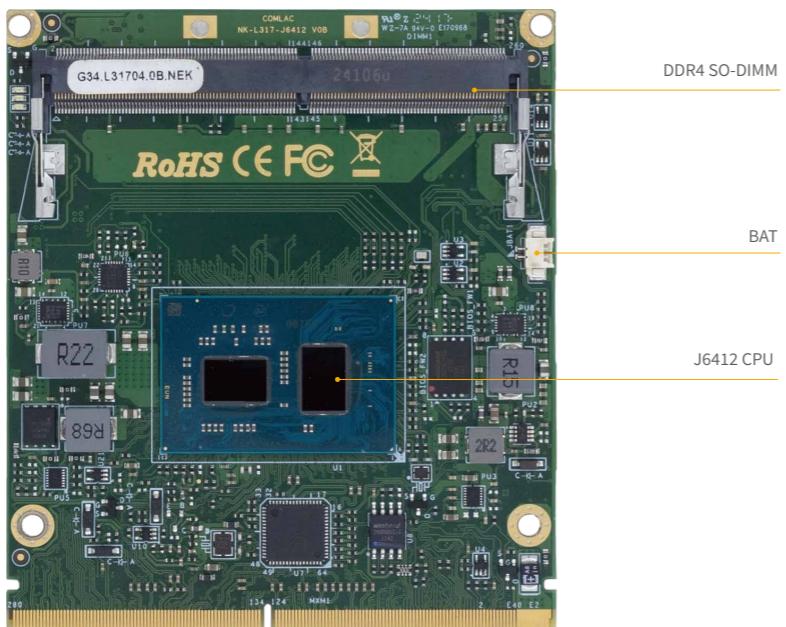


规格 Specification

项目	NK-L316-4205U/8145U/8265U	
CPU	Intel® 8th Gen. U processor, TDP 15W	
处理器 Processor System	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
显示 Display	2 x DDI, 1 x eDP	
串口 Serial Port	2 x Uart(9line), 4 x Uart(3line)	
USB	4x USB3.0, 8x USB2.0	
SATA	2 x SATA 3.0	
PCIe	5 port 8 lanes(1 X4, 1 X2, 2 X1)	
GPIO	1 x 4bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart Fan	
网络 Ethernet	Intel i210AT controller	
其他 others	1 x I²C, 1 x SMBus, 1 x LPC, 1 x Buzzer, 1 x KB/MS	
看门狗定时器 Watchdog Timer	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	0.05kg
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

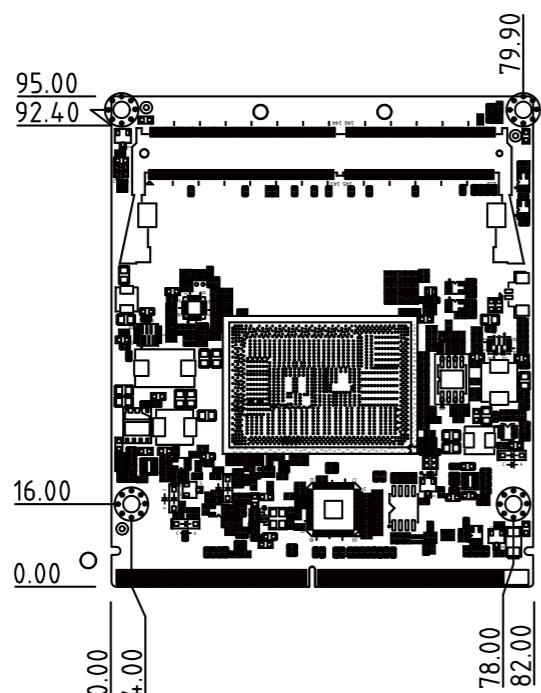
NK-L317-J6412

Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6GHz , TDP 10W



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6GHz , TDP 10W
- Support 1 x DDR4-3200MHz SO-DIMM slot, up to 32GB
- Support 2 x DDI,1 x eDP, Tri-Display
- Type3 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

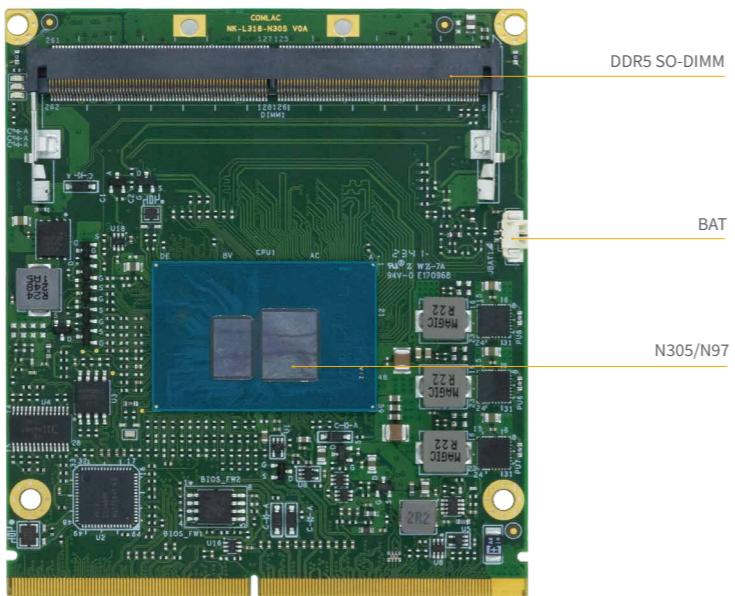


规格 Specification

项目	NK-L317-J6412	
CPU	Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6GHz , TDP 10W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
BIOS	AMI 256Mb UEFI BIOS	
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR4-3200MHz, 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
显示 Display	2 x DDI,1 x eDP	
串口 Serial Port	2 x Uart(9 line),4 x Uart(3 line)	
USB	2 x USB3.0 ,8x USB2.0	
SATA	2 x SATA 3.0	
PCIe	5 port 5lanes(1 X2,3 X1)	
GPIO	1 x 4bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart Fan	
网络 Ethernet	Intel i210AT controller	
其他 others	1 x eSPI,1 x I²C,1 x SMBus,1 x Buzzer,1 x KB/MS	
看门狗定时器 Watchdog Timer	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	0.04kg
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

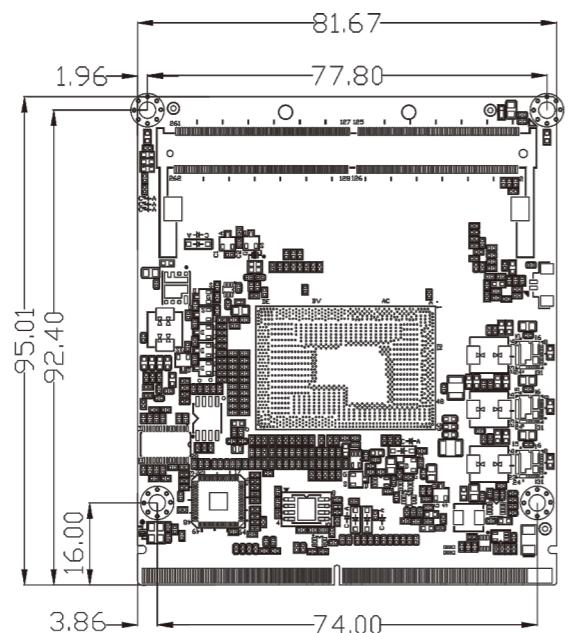
NK-L318-N305/N97

Intel® i3-N305/N97 Alder lake N processor, TDP 15W



- Intel® Core i3-N305 processor, Octa-core, Max frequency 3.8GHz , TDP 15W
- Intel® N-series N97 processor, Quad-core, Max frequency 3.6GHz , TDP 15W
- Support 1 x DDR5-4800MHz SO-DIMM slot, up to 16GB
- Support 2 x DDI, 1 x eDP, Tri-Display
- Type3 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

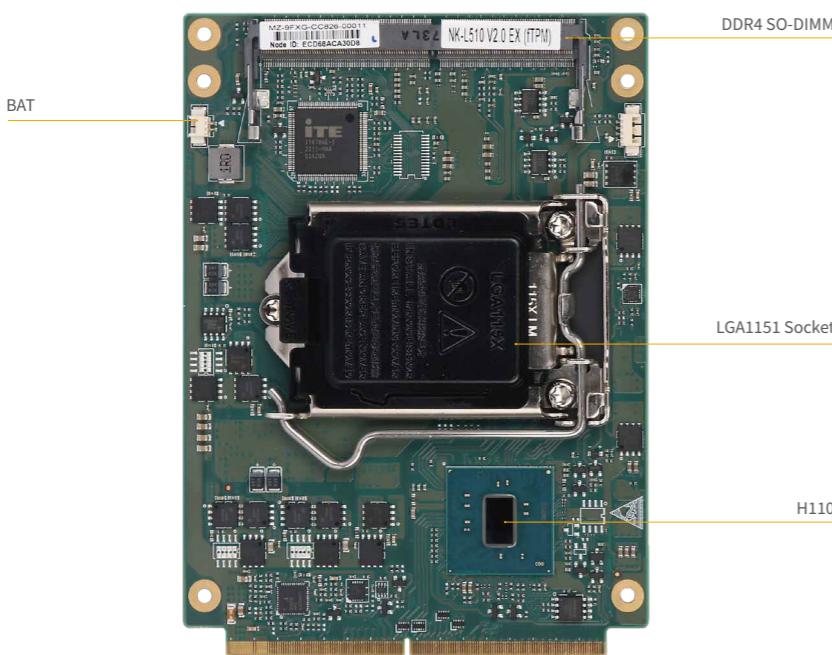


规格 Specification

项目	NK-L318-N305/N97	
CPU	Intel® i3-N305/N97 Alder lake N processor, TDP 15W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
BIOS	AMI 256Mb UEFI BIOS	
内存 Memory	技术 Technology	Signal Channel(Non-ECC) DDR5-4800MHz, up to 16GB
	插槽 Slot	1 x DDR5 262-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Intel® UHD Graphics integrated
显示 Display	2 x DDI, 1 x eDP	
串口 Serial Port	2 x Uart (9 line), 4 x Uart (3 line)	
USB	2 x USB3.0, 8 x USB2.0	
SATA	2 x SATA 3.0	
PCIe	4 port 4 lanes(1 X2, 2 X1)	
GPIO	1 x 4bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart FAN	
网络 Ethernet	Intel I210AT controller	
其他 others	1 x I ² C, 1 x Smbus, 1 x Buzzer, 1 x eSPI, 1 x KB/MS	
看门狗定时器 Watchdog Timer	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	0.04kg
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

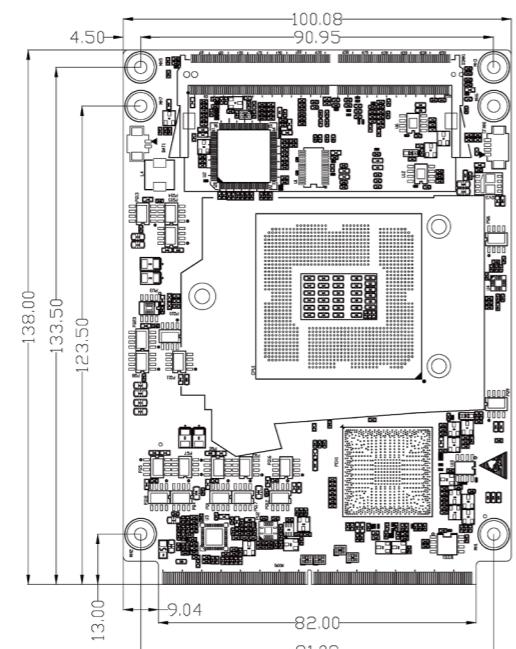
NK-L510-H110

Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series LGA1151 processor,TDP up to 65W



- Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series LGA1151 processor,TDP up to 65W
- Support dual channel(Non-ECC) DDR4--1866/2133/2400/2666MHz SO-DIMM slot, up to 64GB
- Support 2 x DDI, 1 x eDP, Dual-display
- Type5 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

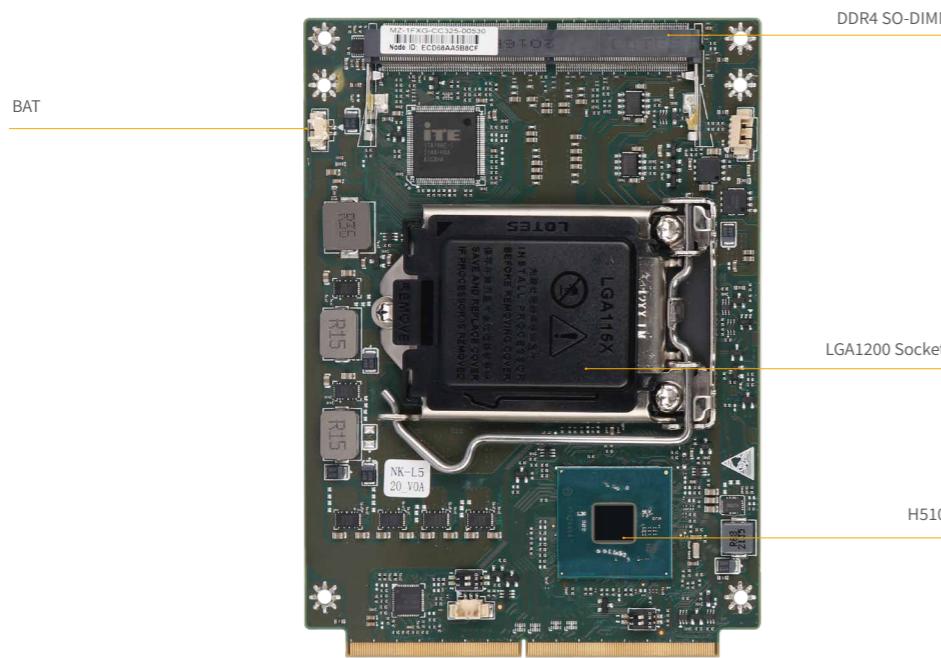


规格 Specification

项目	NK-L510-H110	
CPU	Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series LGA1151 processor,TDP up to 65W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
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 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(5line),4 x Uart(3line)
	USB	4 x USB3.0 ,8 x USB2.0
	SATA	2 x SATA 3.0
	PCIe	7 port 7 lanes(1 x4,2 X1,1xGBE (Only support Intel i219-V controller))
	PClex16	1 x PCIe X16
	GPIO	1 x 2bit GPIO
	音频 Audio	1 x Intel HDA Audio codec
	Fan	1 x Smart Fan
	其他 others	1 x I²C,1 x SMBus,1 x LPC,1 x Buzzer
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
操作系统 OS Support	电源 Power	Power input
	MS Windows	Windows 7 (Only support with Intel 6th Gen. CPU), Windows 10/11
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)138mm x (W)100.1mm
	净重 Gross Weight	0.15kg
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

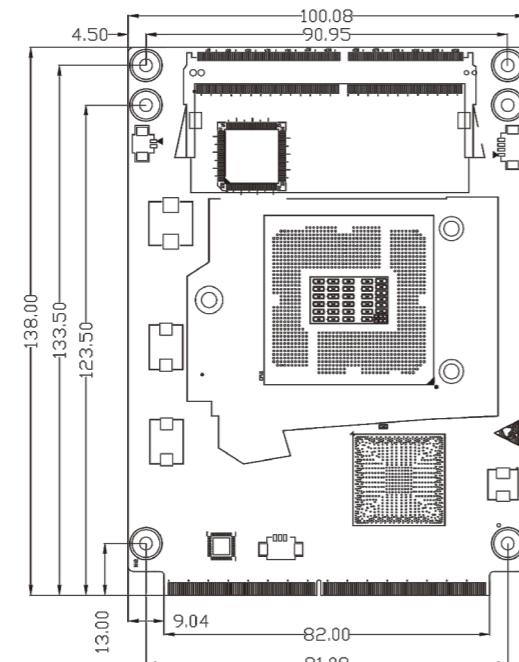
NK-L520-H510

Intel® 10/11 th Generation Celeron/Pentium/Core-I series LGA1200 processor,TDP up to 65W



- Intel® 10/11 th Generation Celeron/Pentium/Core-I series LGA1200 processor,TDP up to 65W
- Support dual channel(Non-ECC) DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support 2 x DDI, 1 x eDP, Dual-display
- Type5 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

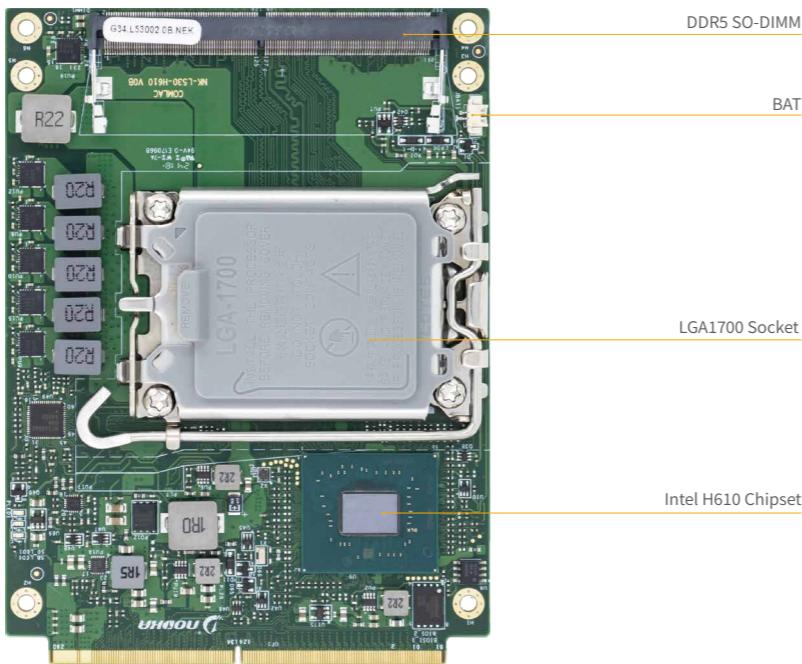


规格 Specification

项目	NK-L520-H510	
CPU	Intel® 10/11 th Generation Celeron/Pentium/Core-I series LGA1200 processor,TDP up to 65W	
处理器 Processor System	芯片组 Chipset	Intel® SoC integrated
	BIOS	AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology	Dual Channel(Non-ECC) DDR4-3200MHz, up to 64GB
	插槽 Slot	2 x DDR4 260-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Intel HD graphics integrated
显示 Display	2 x DDI, 1 x eDP	
串口 Serial Port	2 x Uart(5line),4 x Uart(3line)	
USB	4 x USB3.0,8 x USB2.0	
SATA	2 x SATA 3.0	
PCIe	6 port 6 lanes(1 X4,2 X1)	
PClex16	1 x PCIe x 16	
GPIO	1 x 2bit GPIO	
音频 Audio	1 x Intel HDA Audio codec	
Fan	1 x Smart Fan	
其他 others	1 x I²C,1 x SMBus,1 x LPC,1 x Buzzer	
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
电源 Power	Power input	12V
操作系统 OS Support	MS Windows	Windows 10/11
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)138mm x (W)100.1mm
	净重 Gross Weight	0.16kg
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

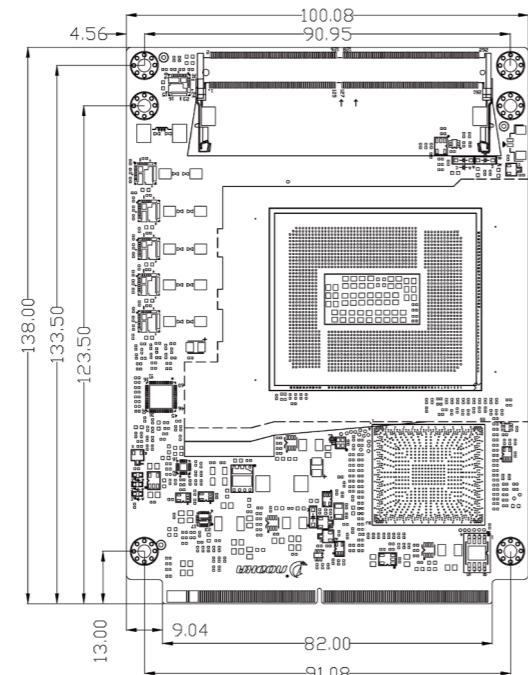
NK-L530-H610

Intel® 12/13 th Generation Celeron/Pentium/Core-I series LGA1700 processor,TDP up to 65W



- Intel® 12/13 th Generation Celeron/Pentium/Core-I series LGA1700 processor,TDP up to 65W
- Support dual channel(Non-ECC) DDR5-4800MHz SO-DIMM slot, up to 64GB
- Support 2 x DDI, 1 x eDP, Tri-display
- Type5 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)

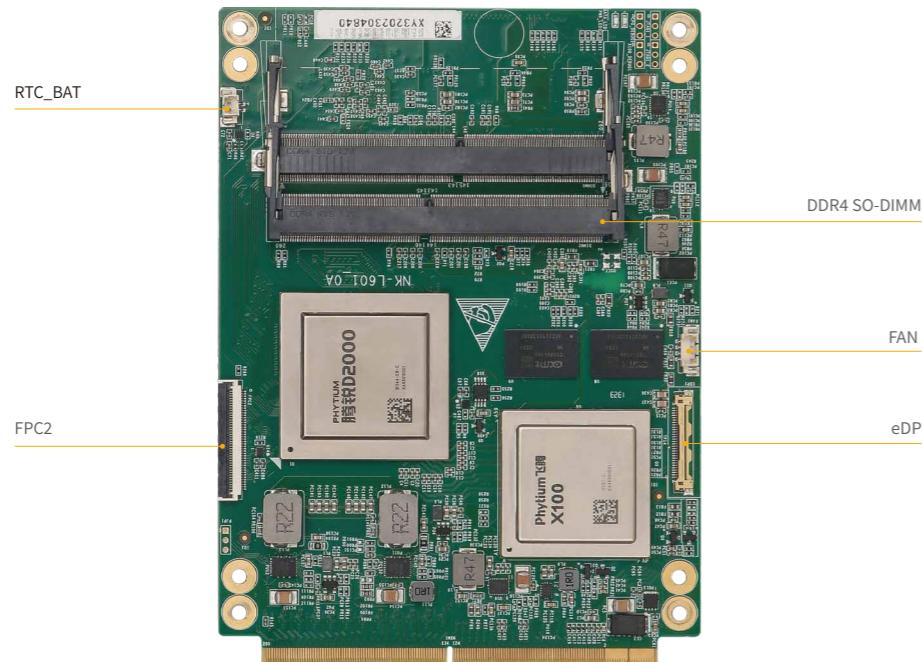


规格 Specification

项目	NK-L530-H610		
处理器 Processor System	CPU	Intel® 12/13th Generation Celeron/Pentium/Core-I series processor, TDP up to 65W	
	插槽 Socket	LGA1700	
	芯片组 Chipset	Intel H610/H610E	
	BIOS	AMI 256Mb UEFI BIOS	
内存 Memory	内存 Technology	Dual Channel(Non-ECC) DDR5-4800MHz, up to 64GB	
	图形 Graphic	插槽 Slot	2 x DDR5 262-pin SO-DIMM slot
	控制器 Controller	Intel® UHD Graphics integrated	
	显示 Display	2 x DDI, 1 x eDP	
扩展接口 Expansion Signals	串口 Serial Port	2 x UART(5 line), 4 x UART(3 line)	
	USB	4 x USB3.0, 8 x USB2.0	
	SATA	2 x SATA 3.0	
	PCIE	6 port 7 lanes (1 X4,2 X1, 1xGBE (Only support Intel i219-V controller))	
其他 others	PCIE X16	1 x PCleX16	
	GPIO	1 x 2bit GPIO	
	音频 Audio	1 x Intel HDA Audio codec	
	Fan	1 x Smart Fan	
看门狗定时器 Watchdog Timer	其他 others	1 x I²C, 1 x SMBus, 1 x LPC, 1 x Buzzer	
	Output&Interval	System reset, programmable from 1~255 seconds	
	电源 Power	Power input	12V
	操作系统 OS Support	MS Windows	Windows10/11
机械参数 Mechanism	Linux	Linux	
	尺寸 Dimensions	(L)138mm x (W)100.1mm	
	净重 Gross Weight	0.18kg	
	温度 Temperature	Operating: 0°C~60°C with SSD;Storage: -40°C~85°C	
环境 Environment	湿度 Humidity	5~95% (Non-condensing)	
	振动 Vibration	5~500Hz, 3Grms operating	

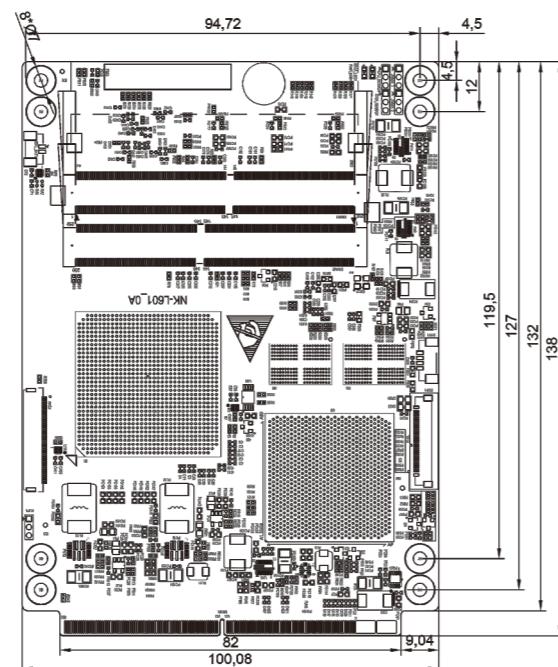
NK-L601-D2000

Phytium D2000 Processor, 8-core, base frequency 2.0GHz up to 2.6GHz , TDP 55W



- Phytium D2000 Processor, 8-core, base frequency 2.0GHz up to 2.6GHz , TDP 55W
- Support 2 x DDR4-2666MHz SO-DIMM slot, up to 64GB
- Support 1 x eDP, Can be displayed by extension on the board
- Type6 Interface Signals with MXM3.0 Gold Finger

尺寸图 Size(Unit:mm)



规格 Specification

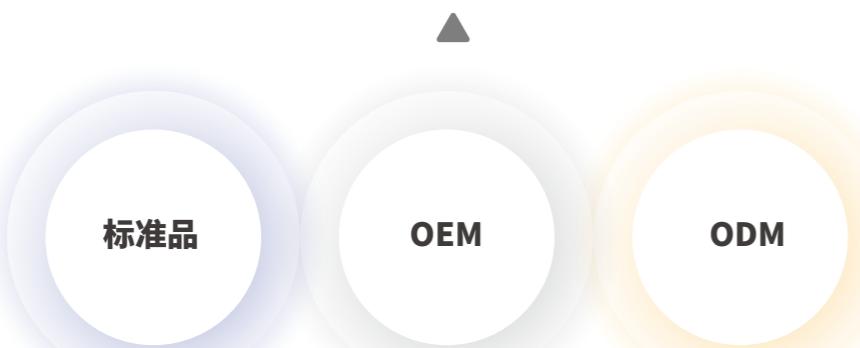
项目	NK-L601-D2000	
处理器 Processor System	CPU	Phytium D2000 Processor, 8-core, base frequency 2.0GHz up to 2.6GHz , TDP 55W
	芯片组 Chipset	Phytium X100
	BIOS	UEFI
	技术 Technology	Dual-Channel(Non-ECC/ECC)DDR4-2666MHz,up to 64GB
内存 Memory	插槽 Slot	2 x DDR4 260-pin SO-DIMM slot
图形 Graphic	控制器 Controller	Independent video memory with CXMT 4GB LPDDR4
PCIE	显示 Display	3 x DDI
		1 x PCIEx16 or 2*PCIEx8
		1 x PCIEx4
		2 x PCIEx2
MXM接口		2 x PCIEx1
	SATA	2 x SATA 3.0 (6Gpbs)
	USB	4 x USB3.0 (5Gb/s) 2 x USB2.0 (480Mbps)
	DP	2 x DP
FPC1 Connect	串口 Serial Port	1 x Uart for debug
	串口 Serial Port	6 x Uart ¹
	CAN	2 x CAN
	GPIO	8 x GPIO
	USB	2 x USB2.0
FPC2 Connect	GPIO	12 x GPIO
	HDA	1 x HDA
操作系统 OS Support	Linux	KylinOS, 统信UOS
机械参数 Mechanism	尺寸 Dimensions	(L)138mm x(W)100mm
	净重 Gross Weight	0.10kg
环境 Environment	Operating	-20°C~50°C with industrial environment
	Temperature	-40°C~60°C with wide temperature
	Storage	-25°C~55°C with Industrial
	Humidity	-45°C~65°C with wide temperature
湿度 Humidity	5~95% (Non-condensing)	
	Vibration	5~500Hz, 3Grms operating



全制程制造优势, 快速响应用户需求, 满足少量多样定制

灵活满足客户贴牌及基于标品小幅定制服务

基于标准品贴牌服务



多样化标准产品

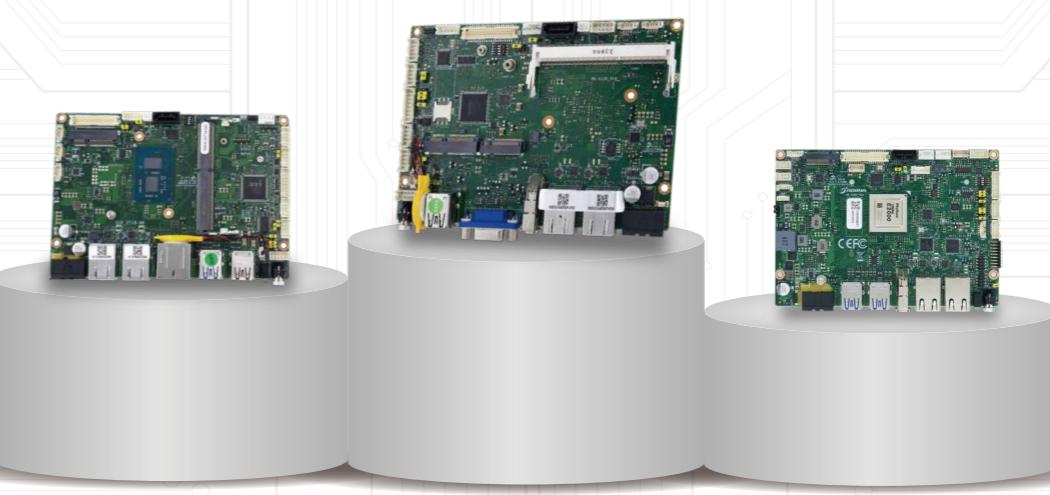
标准3.5/Micro-ATX/ATX工业主板/COMLAC
标准核心模块
质保三年, 即时交付

基于客户需求定制服务

完备的硬件及软件研发能力满足客户多
样化主板及载板定制需求

嵌入式工业主板

3.5寸嵌入式工业主板, 全面覆盖低功耗、国产化CPU平台, 旨在满足不同的垂直市场需求, 专注于自动化、机
器人控制、AGV等, 对产品尺寸有较高要求的行业应用。



CPU性能全面覆盖



- 高可靠性、低功耗
- 国产化芯片
- 系统集成设计

可靠设计



- 可选支持-10~60°C宽温工作
- 12-24V宽压DC-IN电源输入
- 优化散热解决方案

客制化与设计整合服务



- 认证测试/方案验证
- 散热解决方案与I/O扩展方案

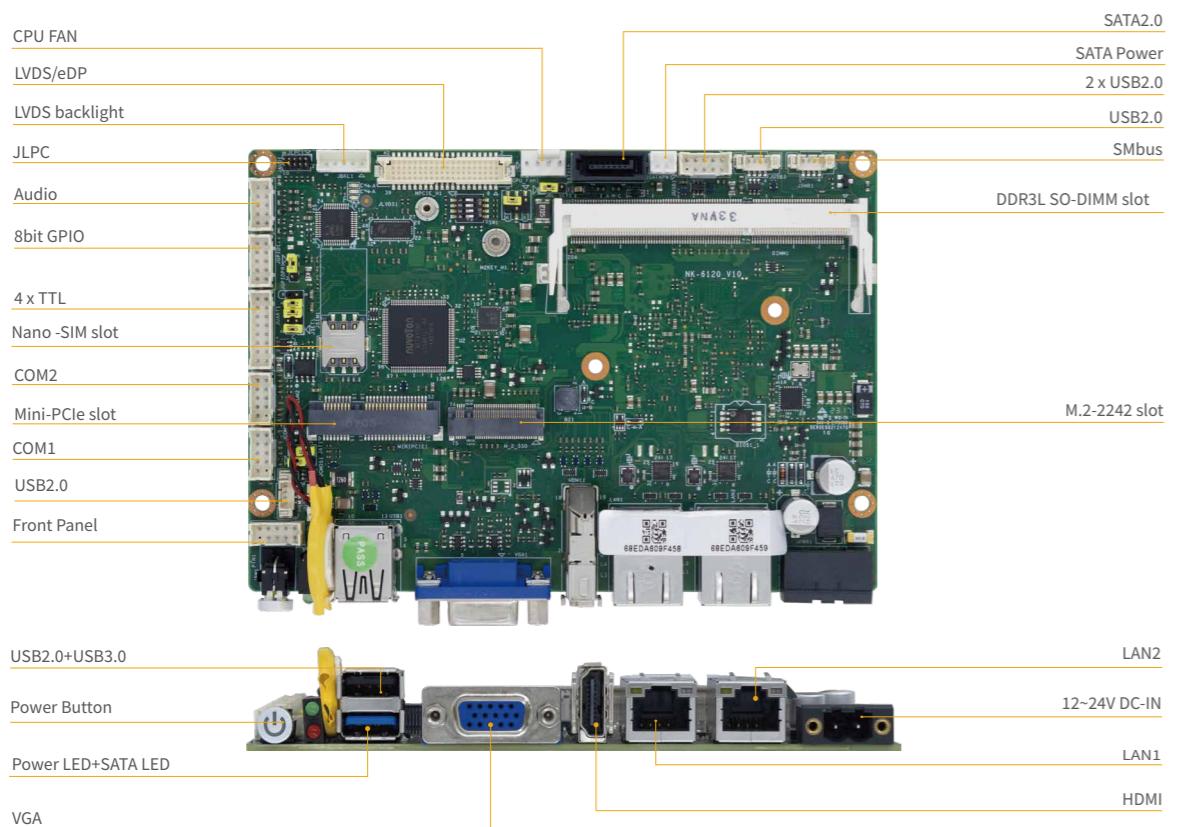
可扩展设计



- 丰富I/O
- 灵活选配各种扩展模块

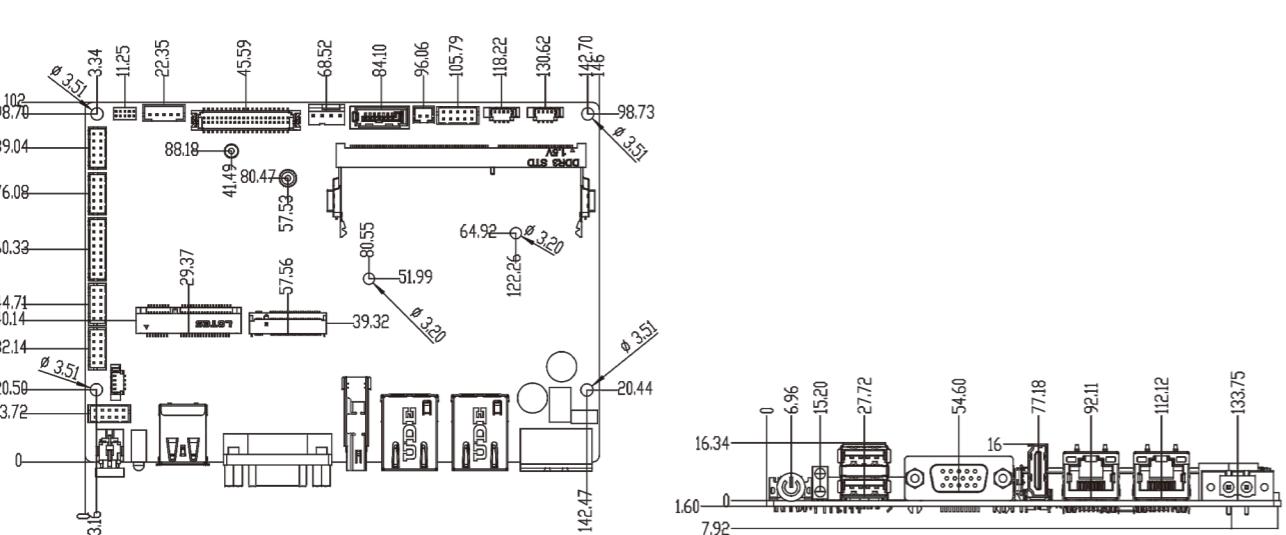
NK-6120

Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, TDP 10W



- Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, up to 2.42GHz, TDP 10W
- Support 1x DDR3L-1333MHz SO-DIMM slot, up to 8GB
- Support VGA, HDMI, LVDS/eDP Dual-display
- 2 x Giga-bit Ethernet
- 1 x USB3.0 port, 5 x USB2.0 ports
- 1 x RS232/485, 1 x RS232, 4 x TTL
- 1 x M.2-2242, 1 x Mini-PCIe slot with nano-SIM card socket
- 12~24V power input, lockable DC-IN phoenix terminal block

尺寸图 Size (Unit:mm)

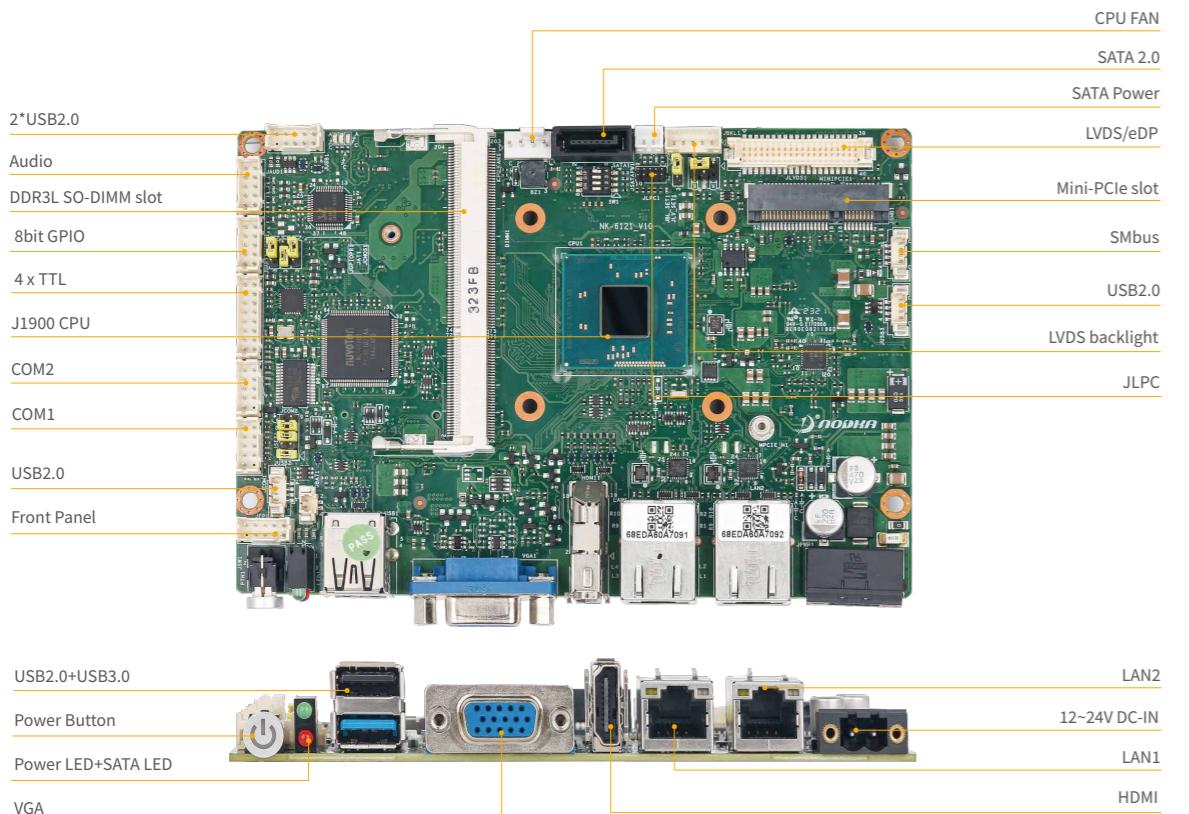


规格 Specification

项目	NK-6120
处理器 Processor System	CPU Intel® Celeron® J1900 processor 2.0GHz, TDP 10W 芯片组 Chipset Intel® SoC integrated BIOS AMI 64Mb UEFI BIOS
内存 Memory	技术 Technology Single Channel(Non-ECC) DDR3L 1333MHz, up to 8GB 插槽 Slot 1 x DDR3L 240-pin SO-DIMM slot
存储 Storage	SATA 1 x SATA2.0 port M.2 1 x M.2-2242 M Key SSD slot(SATA2.0 Signal)
图形 Graphic	控制器 Controller Intel HD graphics integrated
音频 Audio	编码器 Codec Realtek ALC897codec
外部接口 Rear I/O	显示 Display 1 x VGA, resolution up to 2560x1600@60Hz; 1 x HDMI, resolution to 1920x1080@60Hz 网络 Ethernet 2 x GbE(RJ45), Realtek 8111H controller USB 1 x USB3.0(5Gbps), 1 x USB2.0(480Mbps) 开关按键 Button 1 x Power Button(White for power on, Blink for sleep mode, Off for power off) 指示灯 Indicators 1 x SATA LED(Red), 1 x Power LED(Green)
内部接口 Internal I/O	显示 Display 1 x LVDS, dual channel 18/24bit, resolution up to 1920x1200@60Hz 1 x eDP1.3, max resolution up to 3840x2160@60Hz(share connector with LVDS) 音频 Audio 1 x Audio wafer(Mic-in/Line-out, 2*5pin) USB 2 x USB2.0 wafer(1*4pin), 2 x USB2.0 wafer(1 x 2*5pin) 串口 Serial Port 1 x RS232/485 wafer(2*5pin), 1 x RS232 wafer(2*5pin), 4 x TTL wafer(2*8pin) 风扇 Fan 1 x Smart Fan wafer(1*4pin) SMBus 1 x SMBus wafer(1*4pin) LPC 1 x LPC header for debug GPIO 1 x 8bit GPIO(2*5pin) 其他 Others 1 x Front panel wafer(2*5pin)(Power LED, HDD LED, Power button, Reset button)
扩展接口 Expansion Slots	Mini-PCIe slot 1 x Mini-PCIe slot with Nano-SIM socket (PCIe/USB2.0)
看门狗定时器 Watchdog Timer	Output&Interval System reset, programmable from 1~255 seconds
电源 Power	类型 Type 12~24V DC input, +/-10% tolerance 接口 Interface 1 x 2-pin phoenix terminal block Power Consumption 16.3W (Idle mode), 17.5W(Typical mode)
操作系统 O.S Support	MS Windows Windows7/10 Linux Linux
机械参数 Mechanism	尺寸 Dimensions (L)146mm x (W)102mm 净重 Gross Weight 0.14kg
环境 Environment	温度 Temperature Operating:-10°C~60°C with SSD,Storage:-40°C~85°C 湿度 Humidity 5~95% (Non-condensing) 振动 Vibration 5~500Hz, 3Grms operating

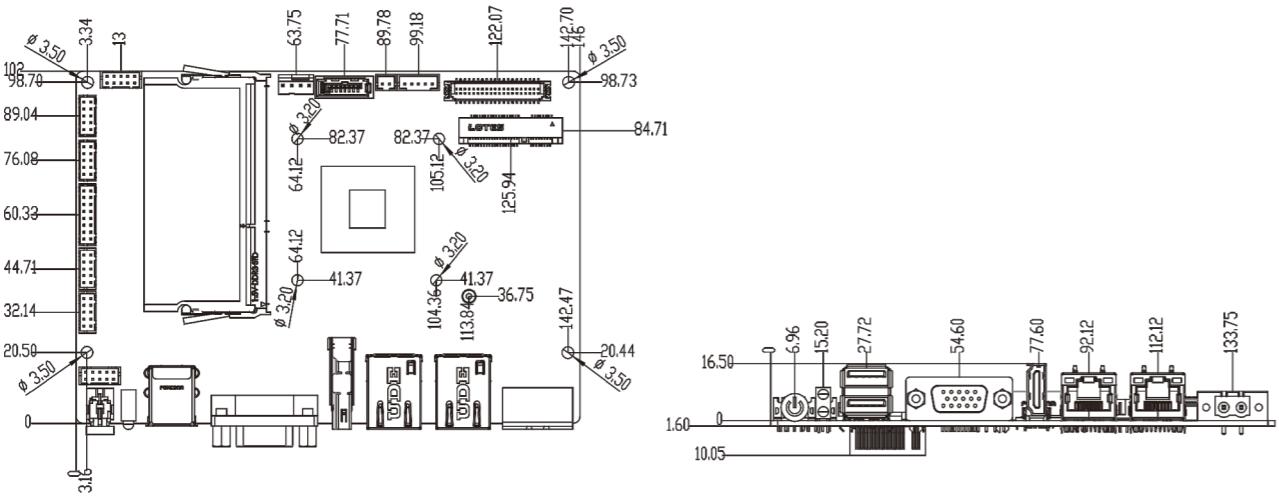
NK-6121

Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, up to 2.42GHz, TDP 10W



- Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, up to 2.42GHz, TDP 10W
- Support 1xDDR3L-1333MHz SO-DIMM slot, up to 8GB
- Support VGA, HDMI, LVDS/eDP Dual-display
- 2xGiga-bit Ethernet
- 1xUSB3.0 port, 5xUSB2.0 ports
- 1xRS232/485, 1xRS232, 4xTTL
- 1 x M.2-2242 and 1 x Mini-PCIe slot with nano-SIM card socket
- 12~24V power input, lockable DC-IN phoenix terminal block

尺寸图 Size(Unit:mm)

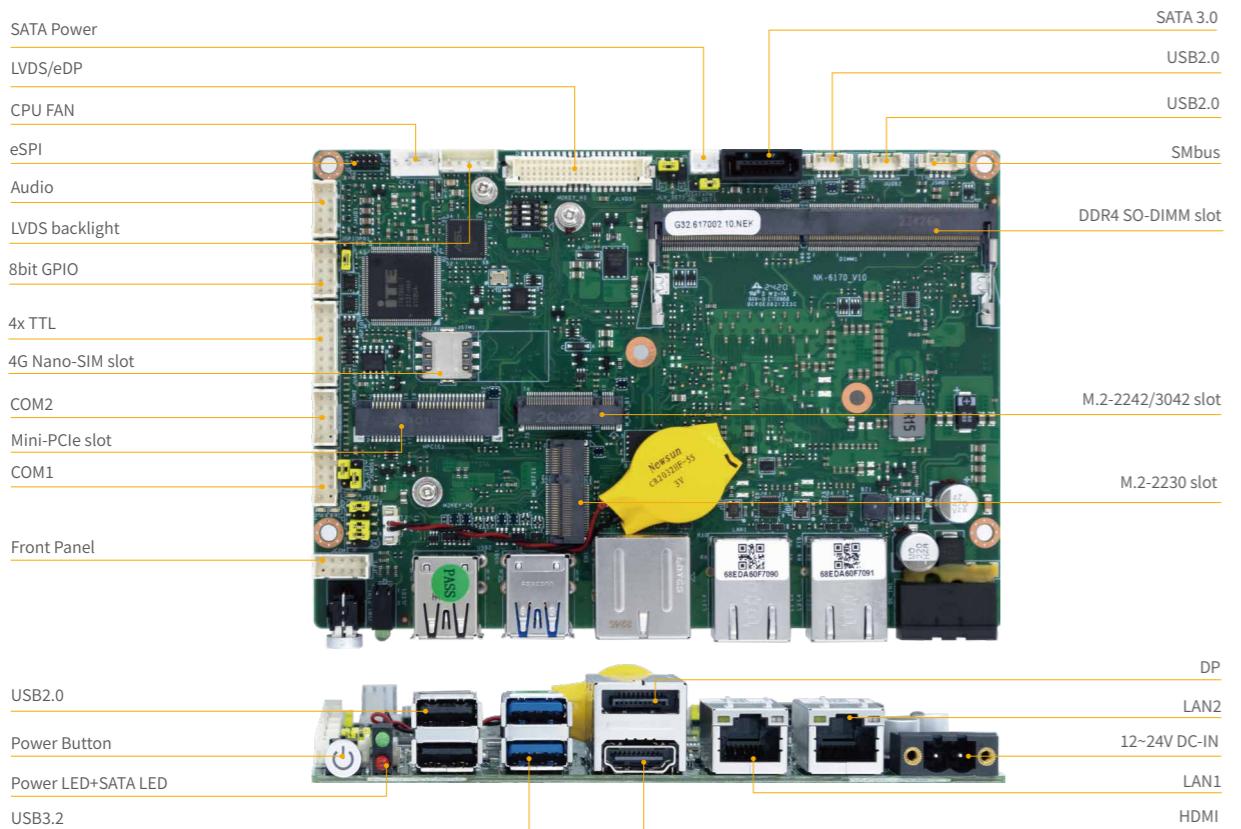


规格 Specification

项目	NK-6121
处理器 Processor System	CPU Intel® Celeron® J1900 processor, Quad-core, base frequency 2.0GHz, up to 2.42GHz, TDP 10W 芯片组 Chipset Intel® SoC integrated BIOS AMI 64Mb UEFI BIOS
内存 Memory	技术 Technology Single Channel(Non-ECC) DDR3L-1333MHz, up to 8GB 插槽 Slot 1 x DDR3L SO-DIMM slot
存储 Storage	SATA 1 x SATA2.0 port M.2 1 x M.2-2242 M Key SSD slot(SATA2.0)
图形 Graphic	控制器 Controller Intel HD graphics integrated
音频 Audio	编码器 Codec Realtek ALC897 codec
显示 Display	1 x VGA, resolution up to 2560x1600@60Hz 1 x HDMI, resolution to 1920x1080@60Hz
外部接口 Rear I/O	网络 Ethernet 2 x GbE(RJ45), Realtek 8111H controller USB 1 x USB3.0(5Gbps), 1 x USB2.0(480Mbps) 开关按键 Button 1 x Power Button(White for power on, Blink for sleep mode, Off for power off) 指示灯 Indicators 1 x SATA LED(Red), 1 x Power LED(Green)
内部接口 Internal I/O	显示 Display 1 x LVDS, dual channel 18/24bit, resolution up to 1920x1200@60Hz 1 x eDP1.3, max resolution up to 3840x2160@60Hz(share connector with LVDS) 音频 Audio 1 x Audio wafer(Mic-in/Line-out, 2*5pin) USB 2 x USB2.0 wafer(1*4pin), 2 x USB2.0 wafer(1 x 2*5pin) 串口 Serial Port 1 x RS232/RS485 wafer(2*5pin), 1 x RS232 wafer(2*5pin), 4 x TTL wafer(2*8pin) 风扇 Fan 1 x Smart Fan wafer(1*4pin) SMBus 1 x SMBus wafer(1*4pin) LPC 1 x LPC header for debug GPIO 1 x 8bit GPIO(2*5pin) 其他 Others 1 x Front panel wafer(2*5pin)(Power LED, HDD LED, Power button, Reset button)
扩展接口 Expansion Slots	Mini-PCIe slot 1 x Mini-PCIe slot with Nano-SIM socket(PCIe/USB2.0)
看门狗定时器 Watchdog Timer	Output&Interval System reset, programmable from 1~255 seconds
电源 Power	类型 Type 12~24V DC input, +/-10% tolerance 接口 Interface 1 x 2-pin phoenix terminal block Power Consumption 16.3W(Idling mode), 17.5W(Typical mode)
操作系统 O.S Support	MS Windows Windows7/10 Linux Linux
机械参数 Mechanism	尺寸 Dimensions (L)146mm x (W)102mm 净重 Gross Weight 0.13kg
环境 Environment	温度 Temperature Operating:-10°C~60°C with SSD; Storage:-40°C~85°C 湿度 Humidity 5~95% (Non-condensing) 振动 Vibration 5~500Hz, 3Grms operating

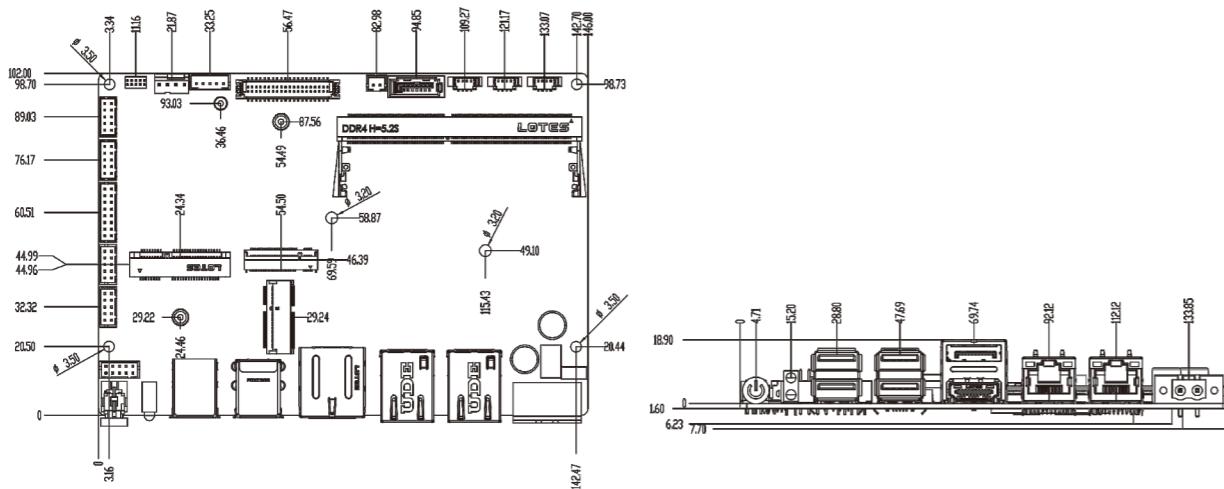
NK-6170

Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6 GHz, TDP 10W



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6 GHz, TDP 10W
- Support 1x DDR4-3200MHz SO-DIMM slot, up to 32GB
- Support DP, HDMI, LVDS/eDP Tri-display
- 2 x Giga-bit Ethernet
- 2 x USB3.2 ports, 4 x USB2.0 ports
- 1 x RS232/485, 1 x RS232, 4 x TTL
- 1 x M.2-2230, 1 x M.2-2242/3042 and 1 x Mini-Pcie slot with nano-SIM card socket
- 12~24V power input, lockable DC-IN phoenix terminal block

尺寸图 Size(Unit:mm)

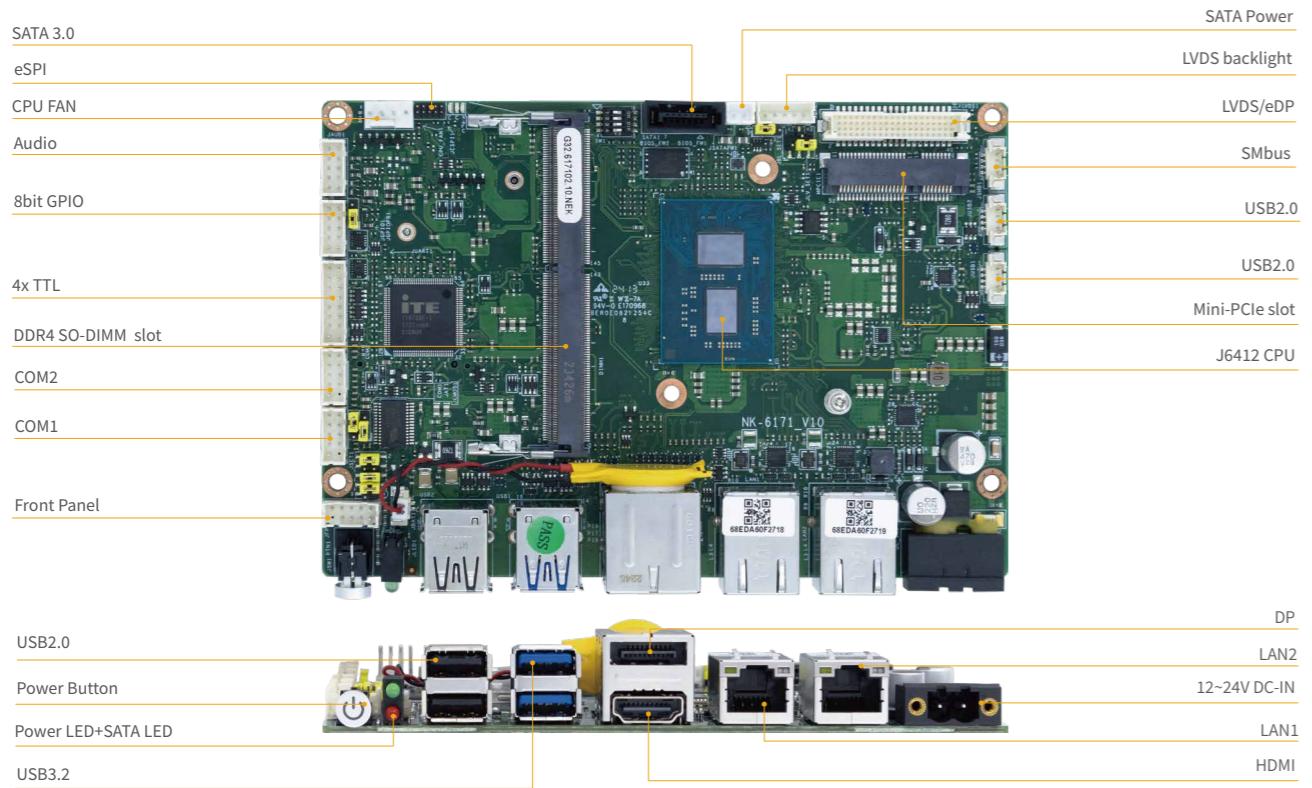


规格 Specification

项目	NK-6170
处理器 Processor System	CPU Intel® Celeron® J6412 processor (2.0GHz, up to 2.6GHz),TDP 10W 芯片组 Chipset Intel® SoC integrated BIOS AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology Single Channel(Non-ECC) DDR4 3200MHz, up to 32GB 插槽 Slot 1 x DDR4 SO-DIMM slot
存储 Storage	SATA 1 x SATA3.0 port M.2 1 x M.2-2242 B Key SSD slot(SATA3.0)
图形 Graphic	控制器 Controller Intel® UHD graphics integrated
音频 Audio	编码器 Codec Realtek ALC897 codec
显示 Display	1 x DP1.4, resolution up to 4096x2160@60Hz 1 x HDMI, resolution to 4096 x 2160@30Hz
外部接口 Rear I/O	网络 Ethernet 2 x GbE(RJ45), Realtek 8111H controller USB 2 x USB3.2(10Gbps), 2 x USB2.0(480Mbps) 开关按键 Button 1 x Power Button(White for power on,Blink for sleep mode,Off for power off) 指示灯 Indicators 1 x SATA LED(Red), 1 x Power LED(Green)
内部接口 Internal I/O	显示 Display 1 x LVDS, dual channel 18/24bit, resolution up to 1920x1200@60Hz 1 x eDP1.3, resolution up to 4096x2160@60Hz(share connector with LVDS) 音频 Audio 1 x Audio wafer(Mic-in/Line-out, 2*5pin) USB 2 x USB2.0 wafer(1*4pin)
扩展接口 Expansion Slots	串口 Serial Port 1 x RS232/RS485 wafer(2*5pin), 1 x RS232 wafer(2*5pin), 4 x TTL wafer(2*8pin) 风扇 Fan 1 x Smart Fan wafer(1*4pin) Smbus 1 x Smbus wafer(1*4pin) eSPI 1 x eSPI header for debug GPIO 1 x 8bit GPIO(2*5pin) 其他 Others 1 x Front panel wafer(2*5pin)(Power LED, HDD LED, Power button, Reset button)
安全 Security	TPM fTPM2.0 supported
看门狗定时器 Watchdog Timer	Output&Interval System reset, programmable from 1~255 seconds
电源 Power	类型 Type 12~24V DC input, +/-10% tolerance 接口 Interface 1 x 2-pin phoenix terminal block Power Consumption 16.3W(Idling mode), 17.5(Typical mode)
操作系统 O.S Support	MS Windows Windows10/11 Linux Linux
机械参数 Mechanism	尺寸 Dimensions (L)146mm x (W)102mm 净重 Gross Weight 0.14kg
环境 Environment	温度 Temperature Operating:-10°C~60°C with SSD Storage:-40°C~85°C 湿度 Humidity 5~95% (Non-condensing) 振动 Vibration 5~500Hz, 3Grms operating

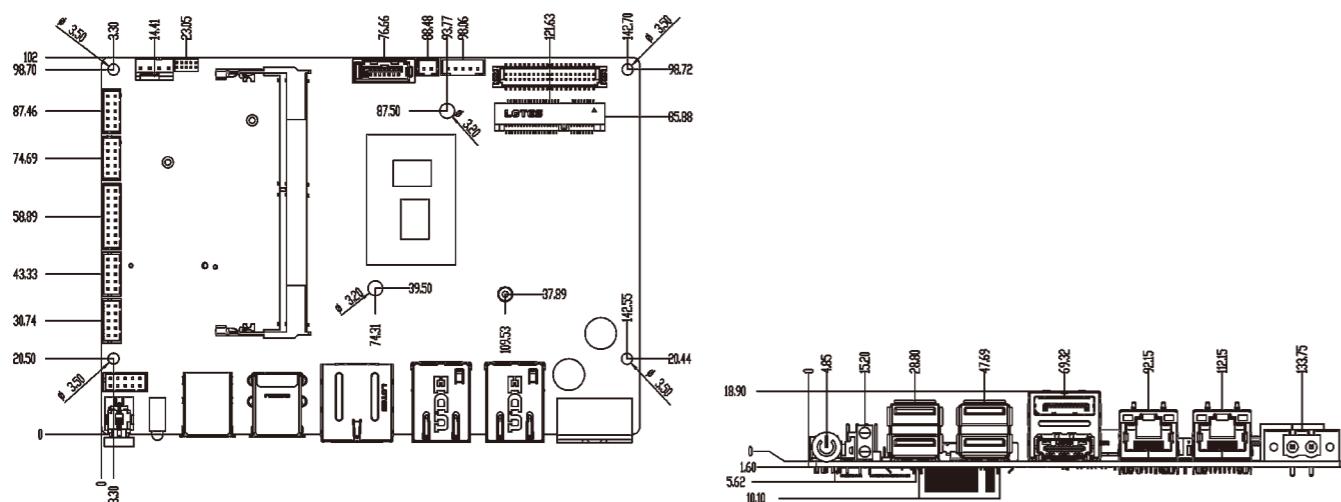
NK-6171

Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz, up to 2.6 GHz, TDP 10W



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz, up to 2.6 GHz, TDP 10W
- Support 1x DDR4-3200MHz SO-DIMM slot, up to 32GB
- Support DP, HDMI, LVDS/eDP Tri-display
- 2 x Giga-bit Ethernet
- 2 x USB3.2 ports, 4 x USB2.0 ports
- 1 x RS232/485, 1 x RS232, 4 x TTL
- 1 x M.2-2242, 1 x M.2-2230, 1 x Mini-PCIe slot with nano-SIM card socket
- 12~24V power input, lockable DC-IN phoenix terminal block

尺寸图 Size(Unit:mm)

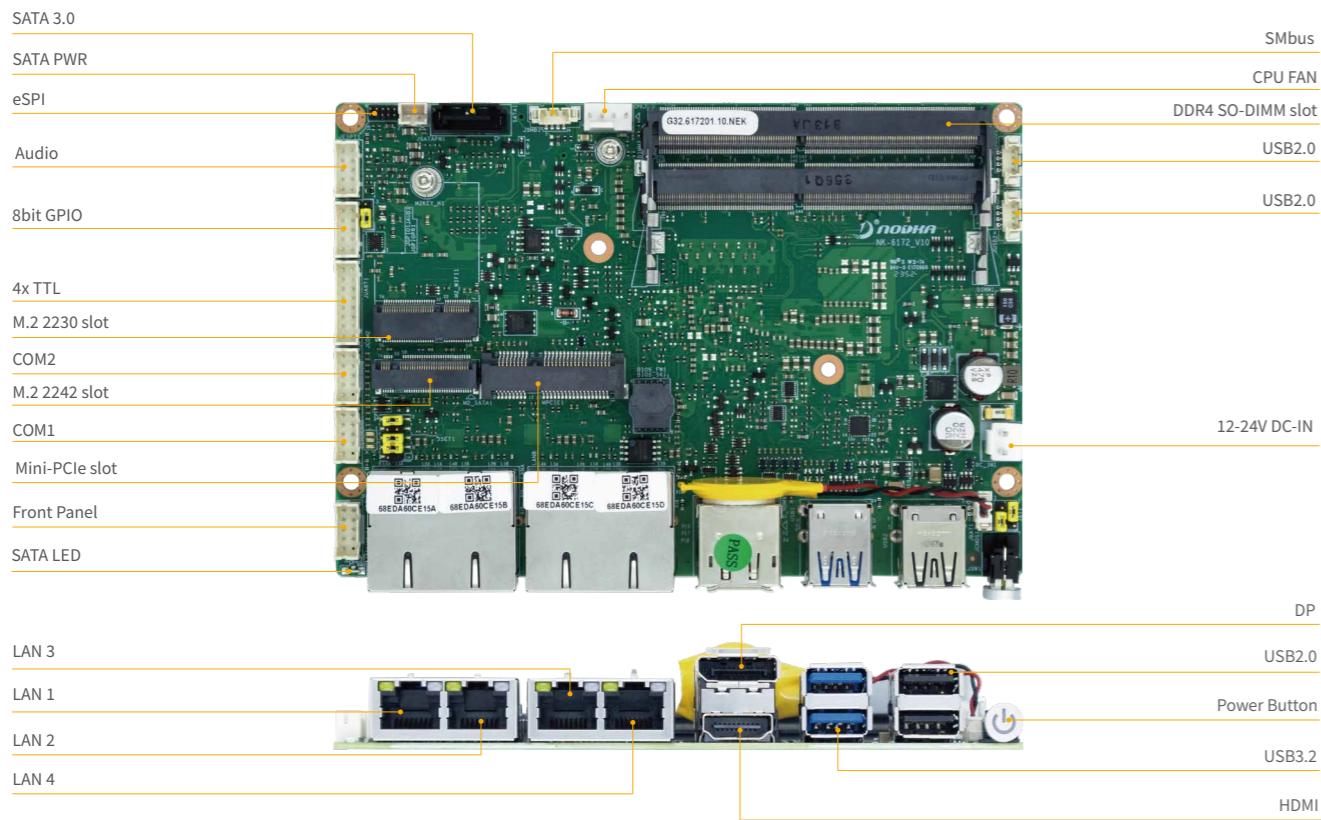


规格 Specification

项目	NK-6171	
处理器 Processor System	CPU	Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6GHz, TDP 10W
	芯片组 Chipset	Intel® SoC integrated
	BIOS	AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR4 3200MHz, up to 32GB
	插槽 Slot	1 x DDR4 SO-DIMM slot
存储 Storage	SATA	1 x SATA3.0 port
	M.2	1 x M.2-2242 M Key SSD slot(SATA3.0)
图形 Graphic	控制器 Controller	Intel® UHD graphics integrated
音频 Audio	编码器 Codec	Realtek ALC897 codec
外部接口 Rear I/O	显示 Display	1 x DP1.4, resolution up to 4096x2160@60Hz 1 x HDMI, resolution to 4096x2160@30Hz
	网络 Ethernet	2 x GbE(RJ45), Realtek 8111H controller
	USB	2 x USB3.2(10Gbps), 2 x USB2.0(480Mbps)
	开关按键 Button	1 x Power Button(White for power on, Blink for sleep mode, Off for power off)
	指示灯 Indicators	1 x SATA LED(Red), 1 x Power LED(Green)
	显示 Display	1 x LVDS, dual channel 18/24bit, resolution up to 1920x1200@60Hz 1 x eDP1.3, resolution up to 4096x2160@60Hz(share connector with LVDS)
	音频 Audio	1 x Audio wafer(Mic-in/Line-out, 2*5pin)
内部接口 Internal I/O	USB	2 x USB2.0 wafer(1*4pin)
	串口 Serial Port	1 x RS232/485 wafer(2*5pin), 1 x RS232 wafer(2*5pin), 4 x TTL wafer(2*8pin)
	风扇 Fan	1 x Smart Fan wafer(1*4pin)
	SMBus	1 x SMBus wafer(1*4pin)
	GPIO	1 x 8bit GPIO(2*5pin)
	eSPI	1 x eSPI header for debug
	其他 Others	1 x Front panel wafer(2*5pin)(Power LED, HDD LED, Power button, Reset button)
扩展接口 Expansion Slots	M.2 slot	1 x M.2-2230 E key slot for wifi module(PCIe/USB2.0)
	Mini-PCIe slot	1 x Mini-PCIe slot with Nano-SIM socket(PCIe/USB2.0)
安全 Security	TPM	fTPM2.0 supported
	看门狗定时器 Watchdog Timer	System reset, programmable from 1~255 seconds
	类型 Type	12~24V DC input, +/-10% tolerance
电源 Power	接口 Interface	1 x 2-pin phoenix terminal block
	Power Consumption	16.3W(Idling mode), 17.5W(Typical mode)
	MS Windows	Windows10/11
操作系统 O.S Support	Linux	Linux
	尺寸 Dimensions	(L)146mm x (W)102mm
机械参数 Mechanism	净重 Gross Weight	0.14kg
	温度 Temperature	Operating:-10°C~60°C with SSD Storage:-40°C~85°C
	湿度 Humidity	5~95% (Non-condensing)
环境 Environment	振动 Vibration	5~500Hz, 3Grms operating

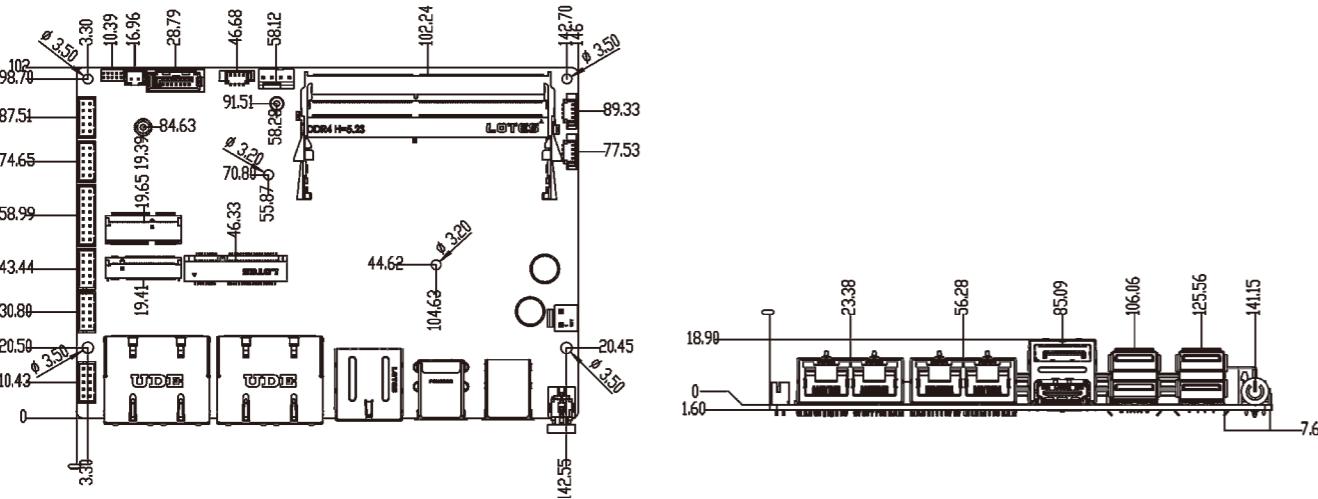
NK-6172

Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6 GHz, TDP 10W



- Intel® Celeron® J6412 processor, Quad-core, base frequency 2.0GHz up to 2.6 GHz, TDP 10W
- Support 2 x DDR4-3200MHz SO-DIMM slot, up to 32GB
- Support DP, HDMI, Dual-display
- 4 x Giga-bit Ethernet
- 2 x USB3.2 ports, 4 x USB2.0 ports
- 1 x RS232/485, 1 x RS232, 4 x TTL
- 1 x M.2-2242, 1 x M.2-2230, 1 x Mini-Pcie slot with nano-SIM card socket
- 12~24V power input, 1 x 2P VH型 Pitch=3.96mm

尺寸图 Size(Unit:mm)

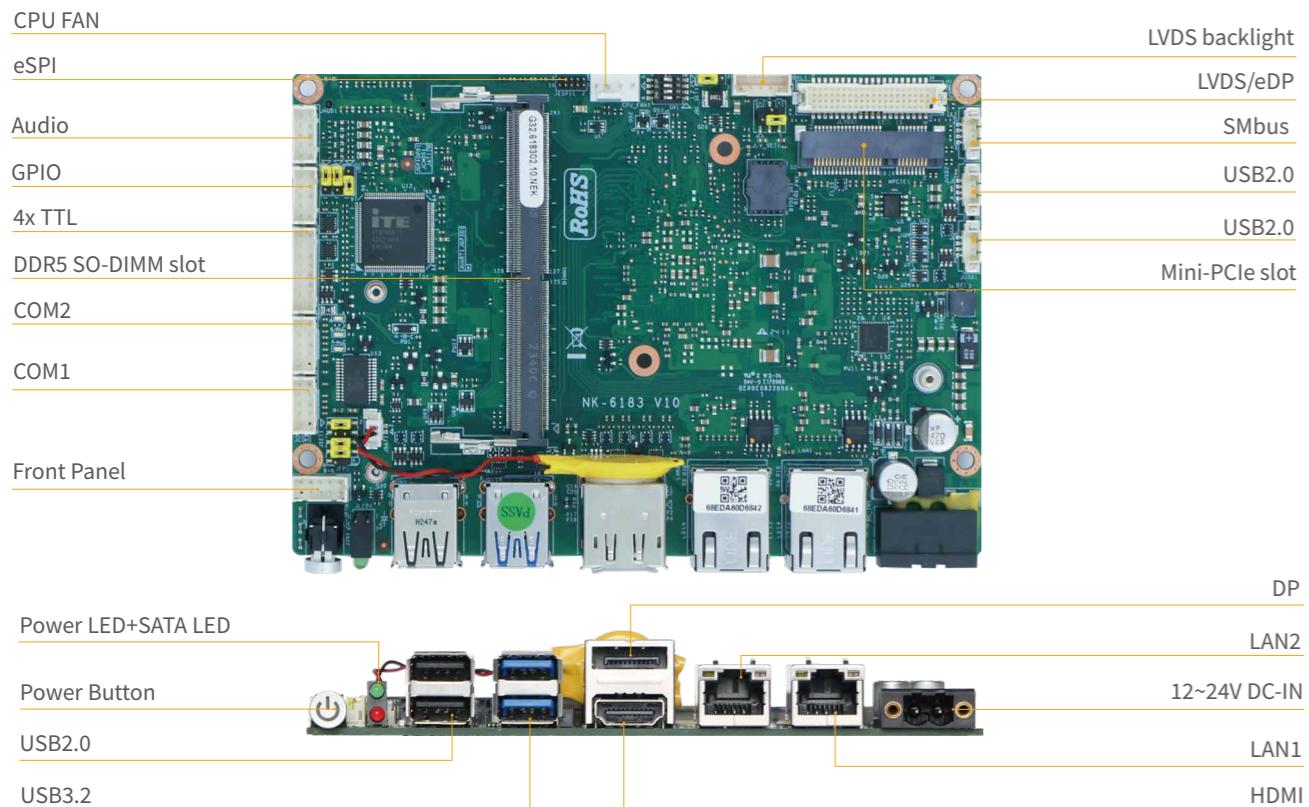


规格 Specification

项目	NK-6172	
处理器 Processor System	CPU	Intel® Celeron® J6412 processor (2.0GHz, up to 2.6GHz), TDP 10W
	芯片组 Chipset	Intel® SoC integrated
	BIOS	AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology	Dual Channel(Non-ECC) DDR4 3200MHz, up to 32GB
	插槽 Slot	2 x DDR4 SO-DIMM slot
存储 Storage	SATA	1 x SATA3.0 port
	M.2	1 x M.2-2242 M Key SSD slot (SATA3.0)
图形 Graphic	控制器 Controller	Intel® UHD graphics integrated
音频 Audio	编码器 Codec	Realtek ALC897 codec
显示 Display	DP	1 x DP1.4, resolution up to 4096x2160@60Hz
	USB2.0	1 x HDMI, resolution to 4096x2160@30Hz
外部接口 Rear I/O	Ethernet	4 x GbE(RJ45), Intel i210AT controller
	USB	2 x USB3.2(10Gbps), 2 x USB2.0(480bps)
	开关按键 Button	1 x Power Button(White for power on, Blink for sleep mode, Off for power off)
	指示灯 Indicators	1 x SATA LED(Green), 1 x Power LED(White)
	USB	2 x USB2.0 wafer(1*4pin)
内部接口 Internal I/O	串口 Serial Port	1 x RS232/485 wafer(2*5pin), 1 x RS232 wafer(2*5pin), 4 x TTL wafer(2*8pin)
	音频 Audio	1 x Audio wafer(Mic-in/Line-out, 2*5pin)
	Fan	1 x Smart Fan wafer(1*4pin)
	SMBus	1 x SMBus wafer(1*4pin)
	eSPI	1 x eSPI header for debug
	GPIO	1 x 8bit GPIO(2*5pin)
	其他 Others	1 x Front panel wafer(2*5pin)(Power LED, HDD LED, Power button, Reset button)
扩展接口 Expansion Slots	M.2 slot	1 x M.2-2230 E key slot for wifi module(PCle/USB2.0)
	Mini-Pcie slot	1 x Mini-Pcie slot with Nano-SIM socket(PCle/USB2.0)
安全 Security	TPM	fTPM2.0 supported
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255 seconds
电源 Power	类型 Type	12~24V DC input, +/-10% tolerance
	接口 Interface	1 x 2P VH型 Pitch=3.96mm
	Power Consumption	16.3(Idle mode), 17.5(Typical mode)
操作系统 O.S Support	MS Windows	Windows10/11
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)146mm x (W)102mm
	净重 Gross Weight	0.16kg
环境 Environment	温度 Temperature	Operating:-10°C~60°C with SSD Storage:-40°C~85°C
	湿度 Humidity	5~95% (Non-condensing)
	振动 Vibration	5~500Hz, 3Grms operating

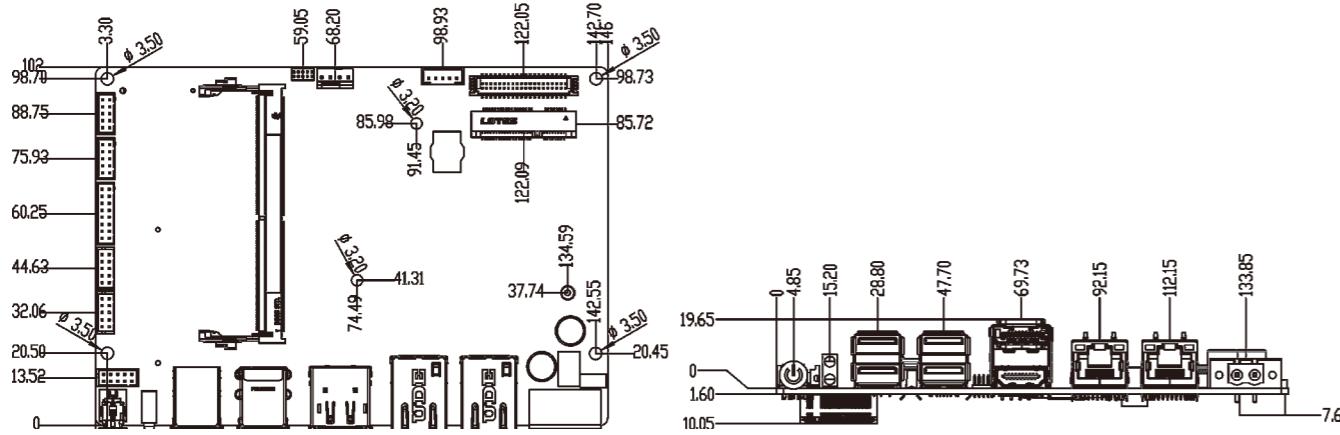
NK-6183

Intel® Core™ i3-N305/N97 processor GHz, up to 3.8GHz,TDP 15W



- Intel® N-series N97, Quad-core, base frequency 2.0GHz up to 3.6GHz,TDP 12W
- Intel® Core™ i3-N305 processor, Octa-core, base frequency 1.8GHz up to 3.8GHz, TDP 15W
- Support 1 x DDR5-4800MHz SO-DIMM slot, up to 16GB
- Support DP, HDMI, LVDS/eDP Tri-display
- 2 x Giga-bit Ethernet
- 2 x USB3.2 ports, 4 x USB2.0 ports
- 1 x RS232/485, 1 x RS232, 4 x TTL
- 1 x M.2-2242/2280(SATA3.0/NVME),1 x Mini-PCIe slot with nano-SIM card socket
- 12~24V power input, lockable DC-IN phoenix terminal block

尺寸图 Size(Unit:mm)

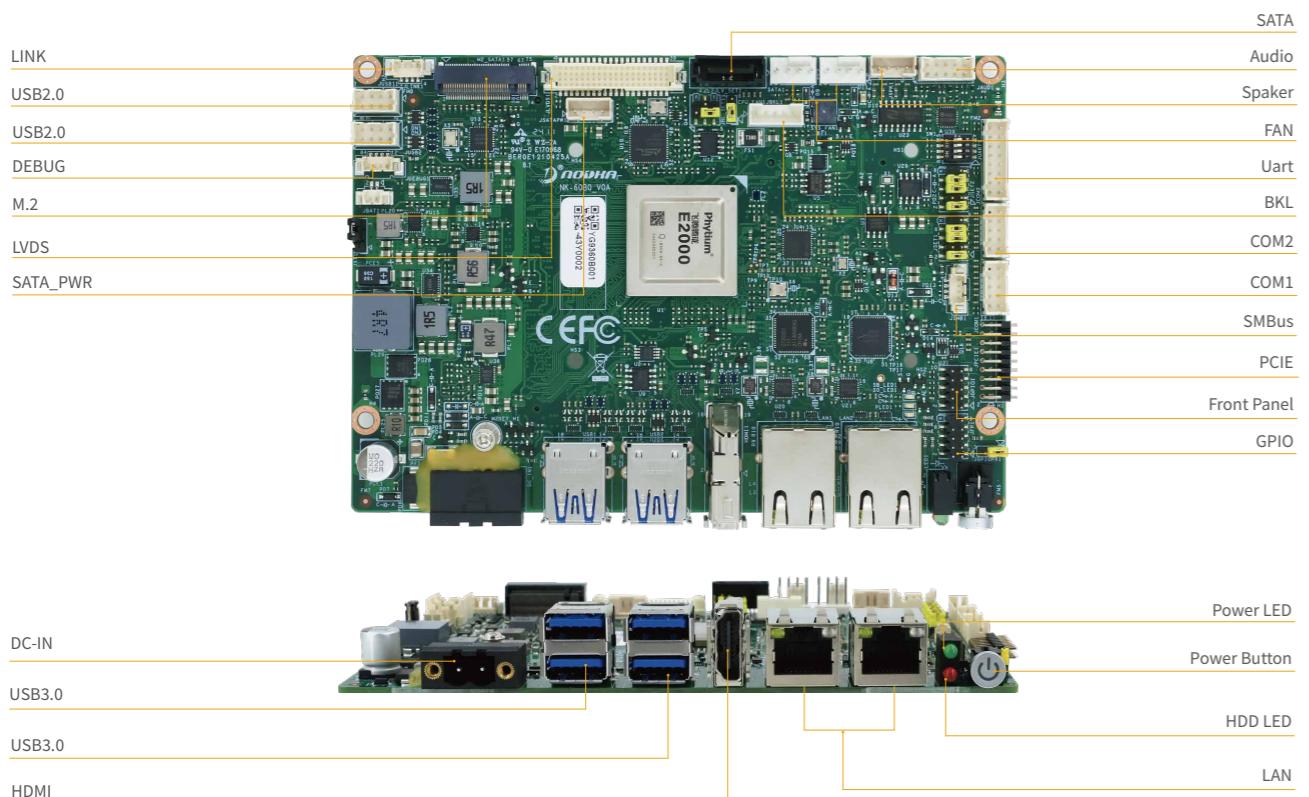


规格 Specification

项目	NK-6183
处理器 Processor System	CPU Intel® Core™ i3-N305/N97 processor GHz, up to 3.8GHz,TDP 15W 芯片组 Chipset Intel® SoC integrated BIOS AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology Single Channel(Non-ECC) DDR5-4800MHz, up to 16GB 插槽 Slot 1 x DDR5 SO-DIMM slot
存储 Storage	M.2 1 x M.2-2242/2280 M Key SSD slot(SATA3.0/NVME)
图形 Graphic	控制器 Controller Intel® UHD graphics integrated
音频 Audio	编码器 Codec Realtek ALC897 codec
显示 Display	1 x DP1.4, resolution up to 4096x2160@60Hz 1 x HDMI, resolution to 4096 x 2160@30Hz
外部接口 Rear I/O	网络 Ethernet 2 x 2.5GbE, Intel i226-V controller USB 2 x USB3.2(10Gbps), 2 x USB2.0(480Mbps) 开关按键 Button 1 x Power Button(White for power on,Blink for sleep mode,Off for power off) 指示灯 Indicators 1 x SATA LED(Red),1 x Power LED(Green)
内部接口 Internal I/O	显示 Display 1 x LVDS, dual channel 18/24bit, resolution up to 1920x1200@60Hz 1 x eDP1.3, resolution up to 4096x2160@60Hz(share connector with LVDS) 音频 Audio 1 x Audio wafer(Mic-in/Line-out, 2*5pin) USB 2 x USB2.0 wafer(1*4pin) 串口 Serial Port 1 x RS232/485 wafer(2*5pin), 1 x RS232 wafer(2*5pin), 4 x TTL wafer(2*8pin) 风扇 Fan 1 x Smart Fan wafer(1*4pin) SMBus 1 x SMBus wafer(1*4pin) GPIO 1 x 8bit GPIO wafer(2*5pin) eSPI 1 x eSPI header for debug 其他 Others 1 x Front panel wafer(2*5pin)(Power LED, HDD LED, Power button, Reset button)
扩展接口 Expansion Slots	Mini-PCIe slot 1 x Mini-PCIe slot with Nano-SIM socket(PCIe/USB2.0)
安全 Security	TPM fTPM2.0
看门狗定时器 Watchdog Timer	Output&Interval System reset, programmable from 1~255 seconds
电源 Power	类型 Type 12~24V DC input, +/-10% tolerance 接口 Interface 1 x 2-pin phoenix terminal block 功率消耗 Power Consumption TBD
操作系统 O.S Support	MS Windows Windows10/11 Linux Linux
机械参数 Mechanism	尺寸 Dimensions (L)146mm x (W)102mm 净重 Gross Weight 0.15kg
环境 Environment	温度 Temperature Operating:-10°C~60°C with SSD;Storage:-40°C~85°C 湿度 Humidity 5~95% (Non-condensing) 振动 Vibration 5~500Hz, 3Grms operating

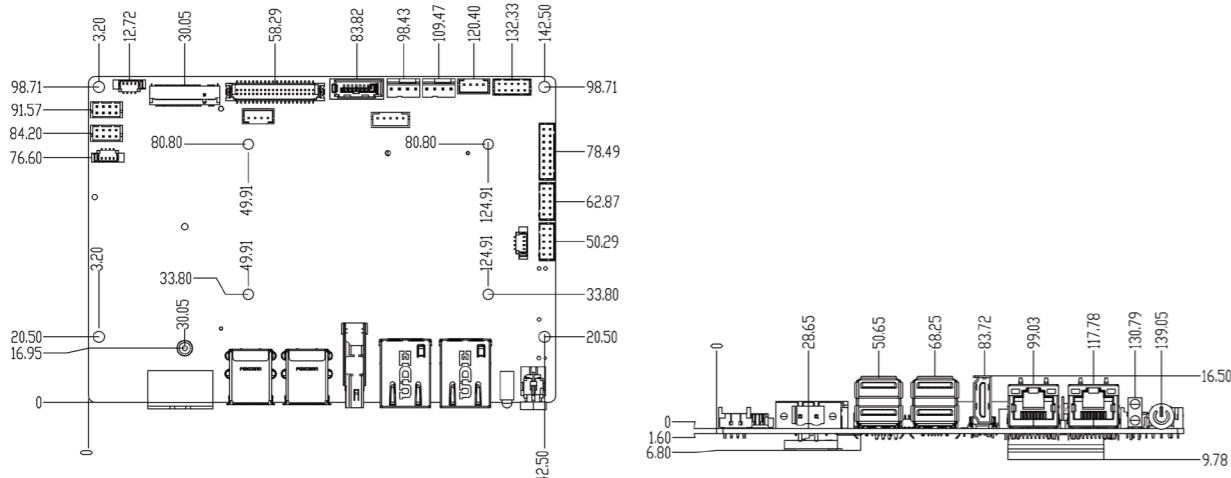
NK-60B0

Phytium E2000Q Processor, 4Core, base frequency 1.8GHz, up to 2.0GHz, TDP 11W



- Phytium E2000Q Processor, 4Core, base frequency 1.8GHz, up to 2.0GHz, TDP 11W
- Support 1x DDR4-2400MHz SO-DIMM slot, up to 32GB
- Support 1x HDMI, LVDS/eDP dual-display
- 2x Giga-bit Ethernet
- 4x USB3.0 ports, 4x USB2.0 ports
- 2x RS232/485, 4x UART
- 1x M.2-2280 and 1x mini PCIe slot with nano-SIM card socket
- 12~24V power input, lockable DC-IN phoenix terminal block

尺寸图 Size(Unit:mm)

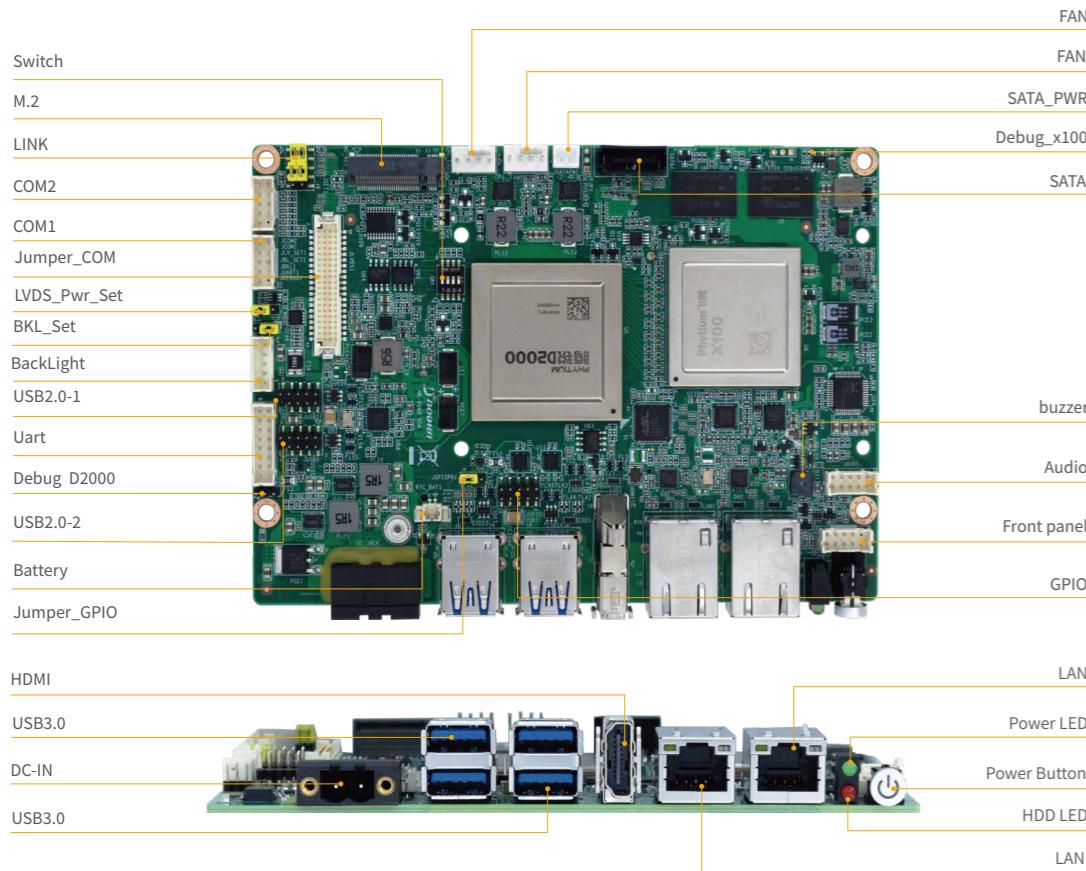


规格 Specification

项目	NK-60B0	
Processor System	CPU	Phytium E2000Q 1.8GHz~2.0GHz TDP 11W
Guide	BIOS	Phytium UEFI
内存 Memory	技术 Technology	Single Channel DDR4 2400MHz, up to 32GB
	插槽 Slot	1x DDR4 260-pin SO-DIMM slot
存储 Storage	SATA	1x SATA3.0 port
	M.2	1x M.2-2280 Key-M slot(SATA3.0/NVME)
音频 Audio	编解码器 Codec	顺芯ES8336
	音频功放Speaker	CS85636SA
Rear I/O	显示 Display	1x HDMI, resolution to 1920x1080@60Hz
	网络 Ethernet	2x GbE(RJ45), Realtek 8111H controller
	USB	4x USB3.0(5Gbps)
	开关按键 Button	1x Power Button(White for power on,Blink for sleep mode,Off for power off)
	指示灯 Indicators	1x SATA LED(Red), 1x Power LED(Green)
	显示 Display	1x eDP1.4, resolution up to 1920x1080@60Hz/share connector with LVDS
		1x LVDS, resolution to 1920x1080@60Hz
	音频 Audio	1x Speaker wafer (1*4pin-2.0)
	USB	4x USB2.0 wafer(2*4pin-2.0)
Internal I/O	串口 Serial Port	2x RS232/485 wafer(2*5pin-2.0), 4x TTL wafer(2*8pin-2.0)
	风扇 Fan	2x Smart Fan wafer(1*4pin-2.54)
	JFP1	1x Power_LED,1x SATA_LED,1x Power_switch, 1x Reset,Wafer(2*5pin-2.0)
	GPIO	8x GPIO Wafer(2*5pin-2.0)
	MCU	1x MCU Wafer(1*4pin-1.25)
	Debug	1x RS232 Debug Wafer(1*4Pin-1.25)
	SMBus	1x SMBus wafer(1*4pin-1.25)
	PCIE	1x PCIE3.0*1/USB3.0 Wafer(2*9pin-2.0)
	其他 Others	1x Front panel wafer(2*5pin-2.0)(Power LED, HDD LED, Power button, Reset button)
扩展接口Expansion Slots	Mini-PCIe slot	1x Mini-PCIe slot with Nano-SIM socket(PCIe/USB2.0)
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255seconds
电源 Power	类型 Type	12~24V DC input, +/-10% tolerance
	接口 Interface	1x 2pin-5.08 phoenix terminal block/DC-Jack5.2
	Power Consumption	60W
操作系统 O.S Support	Linux	银河麒麟、统信UOS
机械参数 Mechanism	尺寸 Dimensions	(L)146mm x (W)102mm
	净重 Gross Weight	0.14kg
环境 Environment	温度 Temperature	Operating: 0°C~60°C with Standard Version; -20°C~70°C with wide temperature
	Storage	-40°C~85°C
	湿度 Humidity	5~95% (Non-condensing)
	振动 Vibration	5~500Hz, 3Grms operating

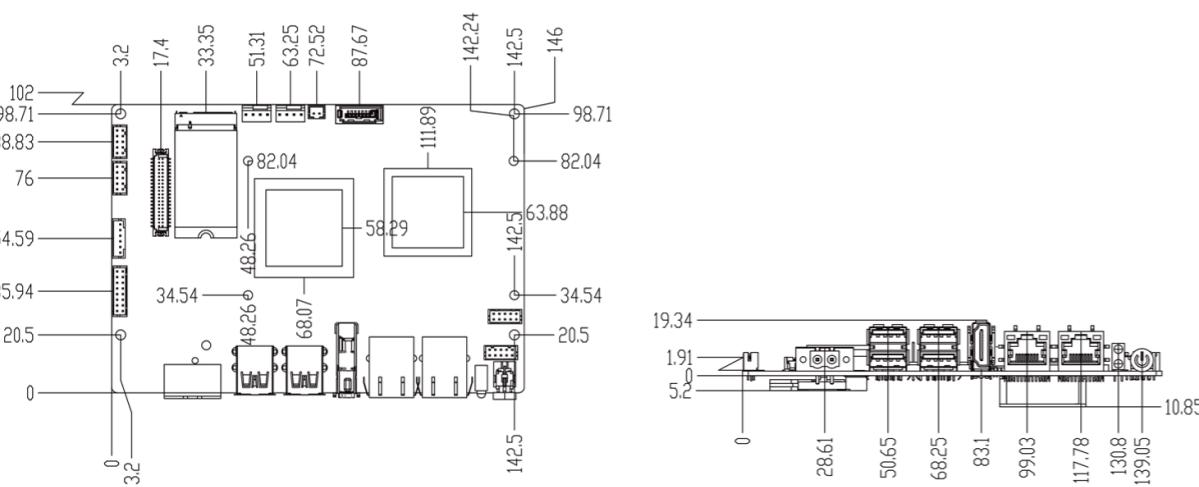
NK-60AO

Phytium D2000 Processor, 8Core, base frequency 2.3GHz, TDP 55W



- Phytium D2000 Processor, 8Core, base frequency 2.3GHz, TDP 55W
- Support 1 x DDR4-2400MHz SO-DIMM slot, up to 32GB
- Support 1 x HDMI, LVDS or eDP dual-display
- 2 x Giga-bit Ethernet
- 4 x USB3.0 ports, 4 x USB2.0 ports
- 2 x RS232/485, 7 x UART
- 1 x M.2-2280 and 1 x mini PCIe slot with nano-SIM card socket
- 12V power input, lockable DC-IN phoenix terminal block

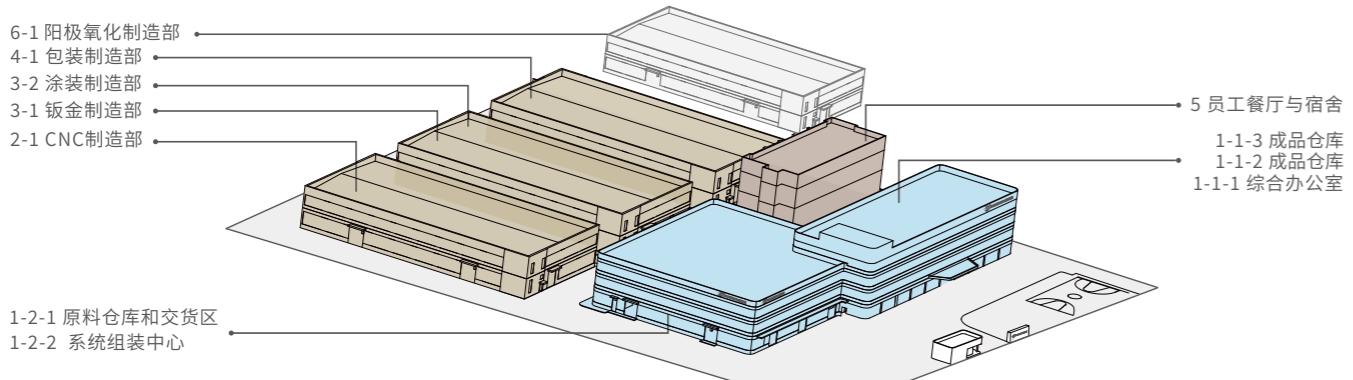
尺寸图 Size(Unit:mm)



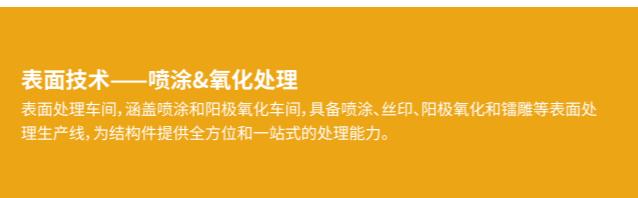
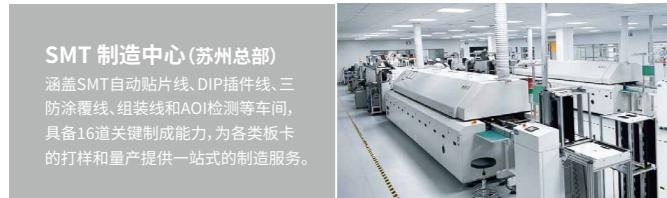
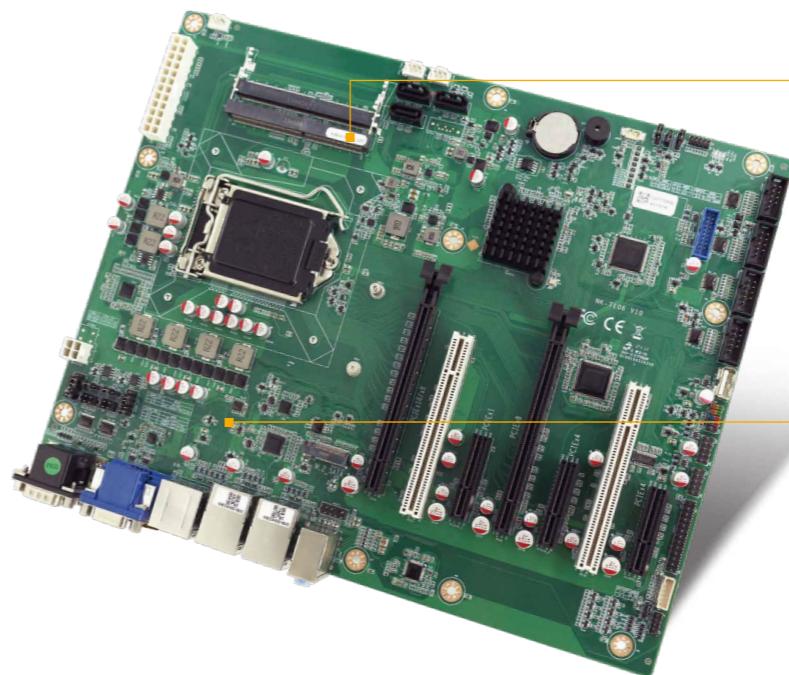
规格 Specification

项目	NK-60AO	
处理器 Processor System	CPU	PhytiumD2000 2.3GHz TDP 55W
芯片组 Chipset	套片Chipset	Phytium X100
引导Guide	BIOS	Phytium UEFI
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR4 2400MHz, up to 32GB
	插槽 Slot	1 x DDR4 SO-DIMM slot
存储 Storage	SATA	1 x SATA3.0 port
	M.2	1 x M.2-2280 Key-M slot(SATA3.0/NVME)
外部接口 Rear I/O	显示 Display	1 x HDMI, resolution to 1920x1080@60Hz
	网络 Ethernet	2 x GbE(RJ45), Realtek 8111H controller
	USB	4 x USB3.0(5Gbps)
	开关按键 Button	1 x Power Button(White for power on,Blink for sleep mode,Off for power off)
	指示灯 Indicators	1 x SATA LED(Red), 1 x Power LED(Green)
	显示 Display	1 x LVDS, resolution to 1920x1080@60Hz
	音频 Audio	1 x Audio wafer(Mic-in/Line-out, 2*5pin-2.0)
	USB	4 x USB2.0 wafer(2*4pin-2.0)
内部接口 Internal I/O	串口 Serial Port	2 x RS232/485 wafer(2*5pin-2.0), 7 x TTL wafer(2*8pin-2.0)
	风扇 Fan	2 x Smart Fan wafer(1*4pin-2.54)
	JFP1	1 x Power_LED,1 x SATA_LED,1 x Power_switch, 1 x Reset,Wafer(2*5pin-2.0)
	GPIO	8 x GPIO Wafer(2*5pin-2.0)
	Debug	1 x RS232 Debug pin(1*3Pin-1.25)_D2000 1 x RS232 Debug pin(1*3Pin-1.25)
扩展接口 Expansion Slots	Mini-PCIe slot	1 x Mini-PCIe slot with Nano-SIM socket(PCIe/USB2.0)
看门狗定时器 Watchdog Timer	Output&Interval	System reset, programmable from 1~255seconds
电源 Power	类型 Type	12DC input, +/-10% tolerance
	接口 Interface	1 x 2pin-5.08 phoenix terminal block/DC-Jack5.2
	Power Consumption	55W
操作系统 O.S Support	Linux	银河麒麟、统信UOS
机械参数Mechanism	尺寸 Dimensions	(L)146mm x (W)102mm
	净重 Gross Weight	0.15kg
环境 Environment	温度 Temperature	Operating:0°C~60°C with Standard Version; -20°C~70°C with wide temperature
	Storage:	-40°C~85°C
	湿度 Humidity	5~95% (Non-condensing)
	振动 Vibration	5~500Hz, 3Grms operating

全面自主的制造单元



ATX/M-ATX工业母板



创新设计ATX工业主板应用SODIMM内存，卡扣式插槽杜绝震动/跌落造成内存松动脱落，卧式安装防止粉尘堆积在内存插槽内，让CPU散热风道更流畅，完美解决多个行业痛点。



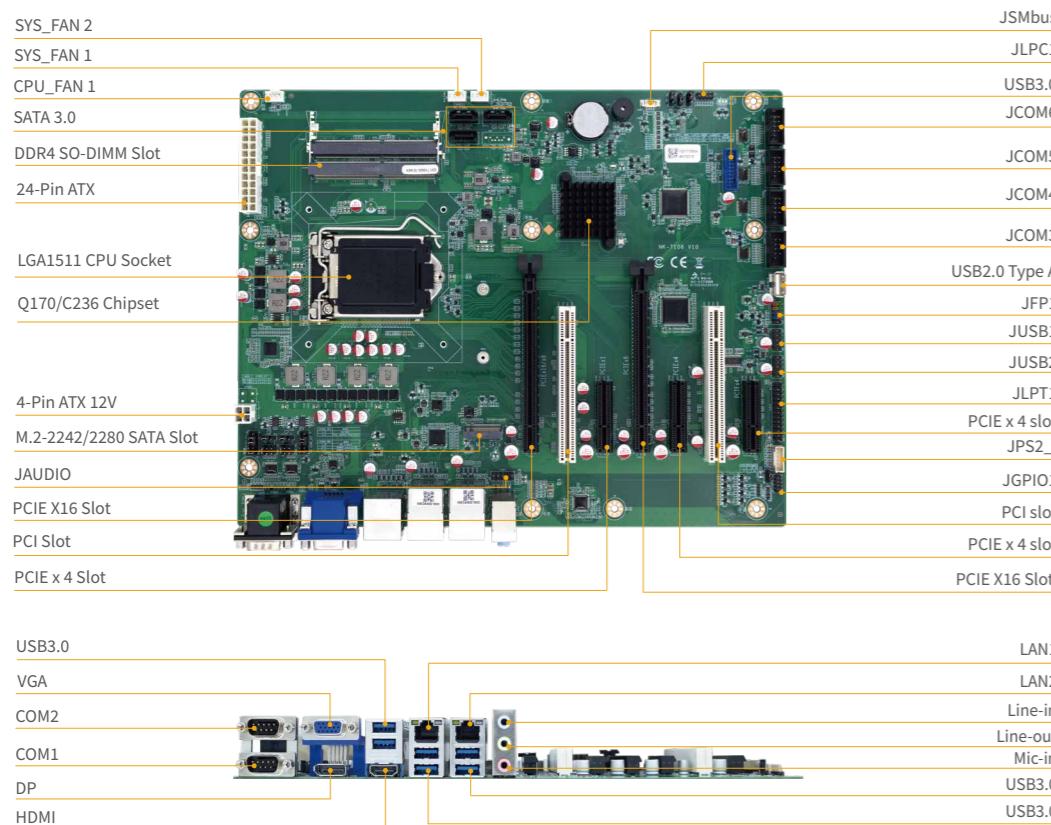
主机板表面采用三防涂覆处理，杜绝导电性、腐蚀性、高湿度粉尘对电路板的侵害，关键连接器设计防落尘密封盖，让工控机在各种复杂工况下长期稳定工作。



EMC抗干扰设计高于工业三级行业标准，大幅降低因各种复杂电气环境干扰导致的死机、重启、蓝屏、通讯掉包等偶发性故障；公司还配备专业的EMC工程师，可协助客户排查解决现场问题。

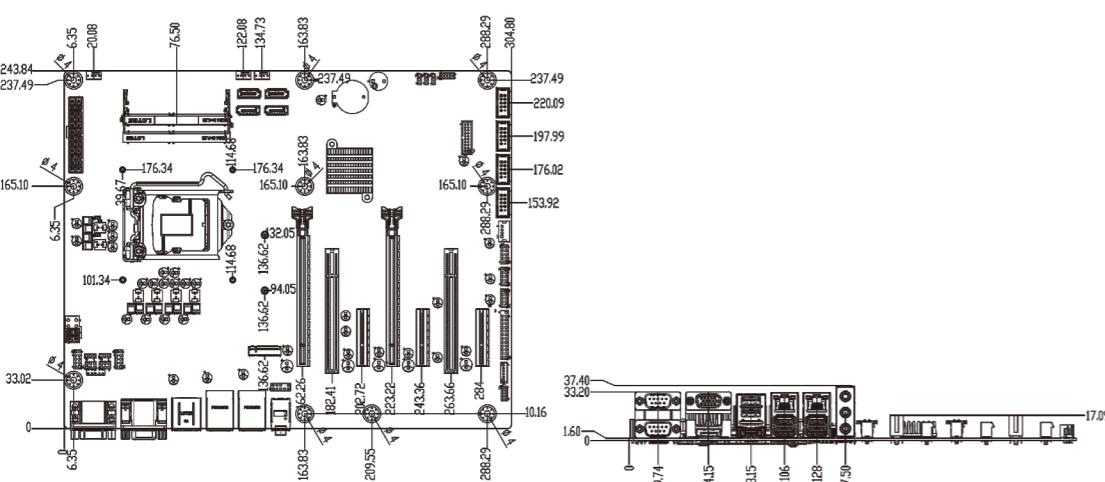
NK-7106

Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series LGA 1151 processor,TDP 95W



- Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series LGA 1151 processor,TDP up to 95W
- Support dual channel(Non-ECC) DDR4-1866/2133/2400/2666MHz 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, 1x SATA M.2-2242/2280 Slot
- 2 x PCIE16(1x 16 or 2x 8 link), 2x PCIE4, 1x PCIE4(x1link), 2x PCI slots

尺寸图 Size(Unit:mm)

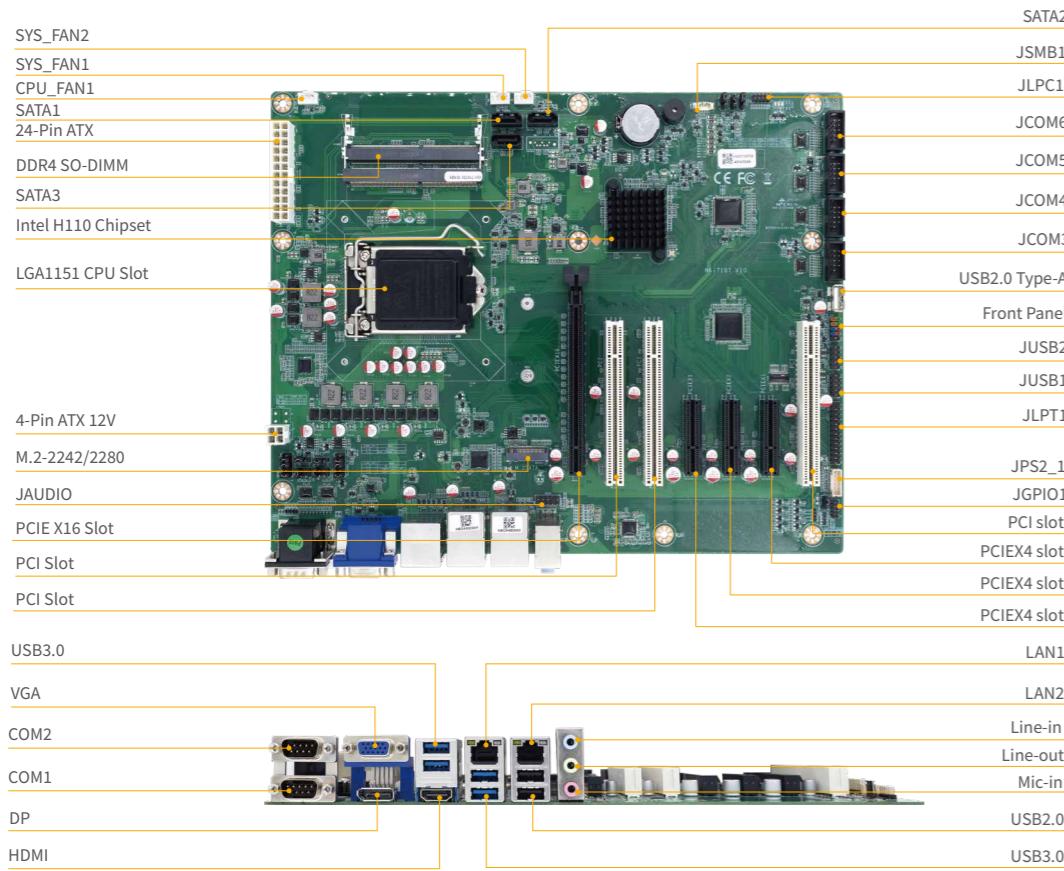


规格 Specification

项目	NK-7106
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 Q170/C236 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 Slots 2 x DDR4 SO-DIMM slots
存储 Storage	M.2 1 x M.2-2242/2280 Key M slot (SATA3.0 Signal) SATA 4 x SATA3.0 (up to 6Gb/s), support RAID 0/1/5/10
图形 Graphics	控制器 Controller Intel HD graphics integrated
音频 Audio	编解码器 Codec Realtek ALC 897 codec
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
外部接口 Rear I/O	网络 Ethernet 2 x GbE(RJ45), LAN1: Intel i219-V, LAN2: Intel I210AT 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 USB 2xUSB3.0 Pin header(1x2*5pin),4xUSB2.0 Pin header,(2x2*5pin),1xvertical USB2.0 type-A connector 串口 Serial 4 x RS232 wafer(2*5pin) PS/2 1 x PS/2 wafer(1*6pin) LPT 1 x LPT header(2*13pin) LPC 1 x LPC header(2*5pin) SMBus 1 x SMBus wafer(2*5pin) GPIO 1 x 8bit GPIO(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)
内部接口 Internal I/O	PCIe X 16 2 x PCIeX16(Gen3) slots (1 x 16 or 2 x 8 link (default)) PCIe X 4 2 x PCIeX4(Gen3) slots, 1 x PCIeX4(Gen3, x 1 link) slot PCI 2 x PCI slots 看门狗定时器 Watchdog Timer Output & Interval System reset, programmable from 1~255 sec 安全 Security TPM fTPM2.0 电源 Power 电源 Type ATX Power Input: 24-Pin ATX + 4-Pin ATX 12V 操作系统 OS Support Microsoft 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)305mm x (W)244mm 净重 Gross Weight 0.63kg 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)
扩展槽 Expansion Slots	PCI

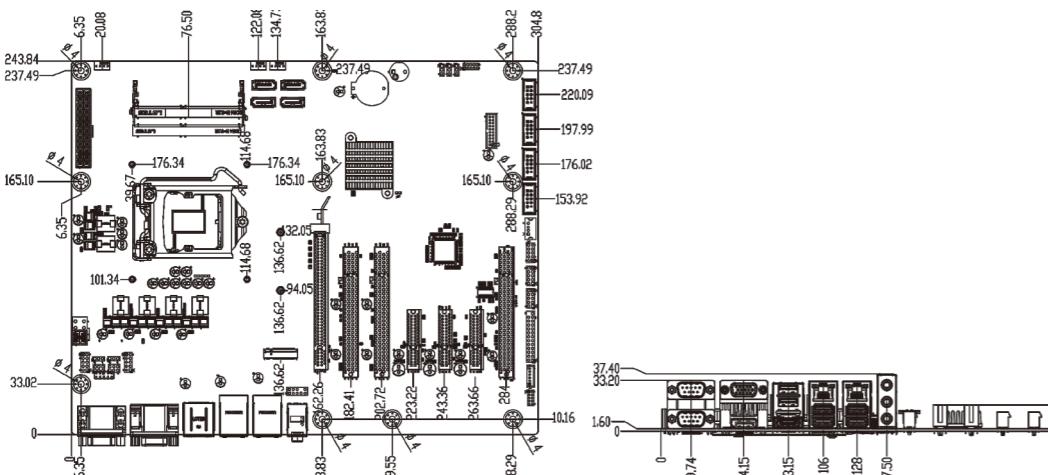
NK-7107

Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series LGA 1151 processor,TDP up to 95W



- Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series LGA 1151 processor,TDP up to 95W
- Support dual channel(Non-ECC) DDR4-1866/2133/2400/2666MHz SO-DIMM slot up to 64GB
- Support VGA,HDMI,DP Dual-display
- 2 x Giga-bit Ethernet,
- 4x USB3.0 ports, 6 x USB2.0 ports
- 2 x RS232/485, 4 x RS23
- 3x SATA3.0, 1x M.2-2242/2280 Slot
- 1x PCIEx16, 1x PCIEx4(x2link), 2x PCIEx4(x1link), 3x PCI slots

尺寸图 Size(Unit:mm)

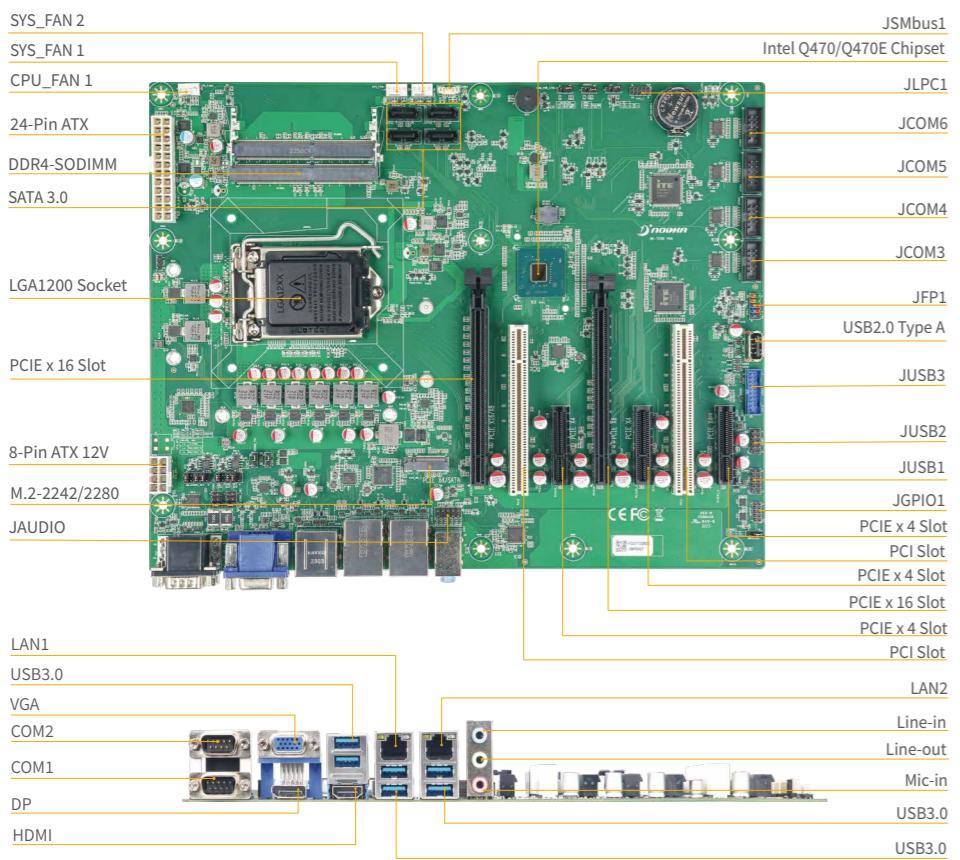


规格 Specification

项目	NK-7107
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 to64GB 插槽 Slots 2 x DDR4 SO-DIMM slots
存储 Storage	M.2 1 x M.2-2242/2280 Key M slot(SATA3.0 Signal) SATA 3 x SATA3.0 (up to 6Gb/s)
图形 Graphics	控制器 Controller Intel HD graphics integrated
音频 Audio	编解码器 Codec Realtek ALC 897 codec
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
外部接口 Rear I/O	网络 Ethernet 2 x GbE(RJ45), LAN1: Intel i219-V controller, LAN2:Intel i210AT controller USB 4 x USB3.0(5Gbps), 2 x USB2.0(480Mbps) 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 3 x USB2.0 pin header (2 x 2*5pin) , 1 x Vertical USB2.0 type-A connector 串口 Serial 4 x RS232 wafer(2*5pin) PS/2 1 x PS/2 wafer(1*6pin) LPT 1 x LPT header(2*13pin) LPC 1 x LPC header(2*5pin) Smbus 1 x SMBus wafer(2*5pin) GPIO 1 x 8bit GPIO(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)
扩展槽 Expansion Slots	PCIe X16 1 x PCIeX16(Gen3) slots PCIe X4 2 x PCIeX4(Gen2, x 1 link) slots, 1 x PCIeX4(Gen2, x 2 link) slot PCI 3 x PCI slots
看门狗定时器 Watchdog Timer	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 + 4-Pin ATX 12V
操作系统 OS Support	Microsoft 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)305mm x (W)244mm 净重 Gross Weight 0.61Kg
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)

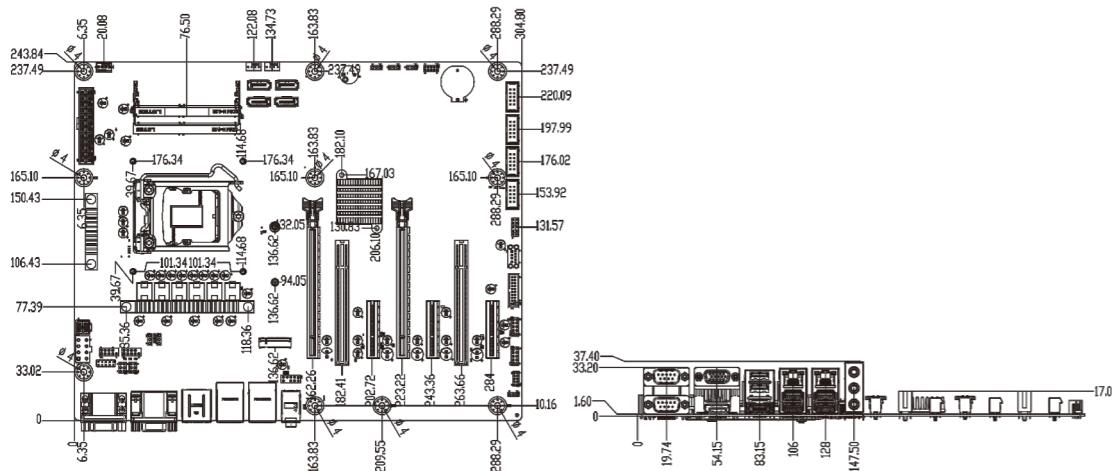
NK-7208

Intel® 11th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W



- Intel® 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
- 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, 1 x M.2-2242/2280 SATA/PCIE(11th Gen. processors) Slot
- 2 x PCIE16(1x 16 or 2x 8 link), 3x PCIE X4, 2 x PCI slots

尺寸图 Size(Unit:mm)

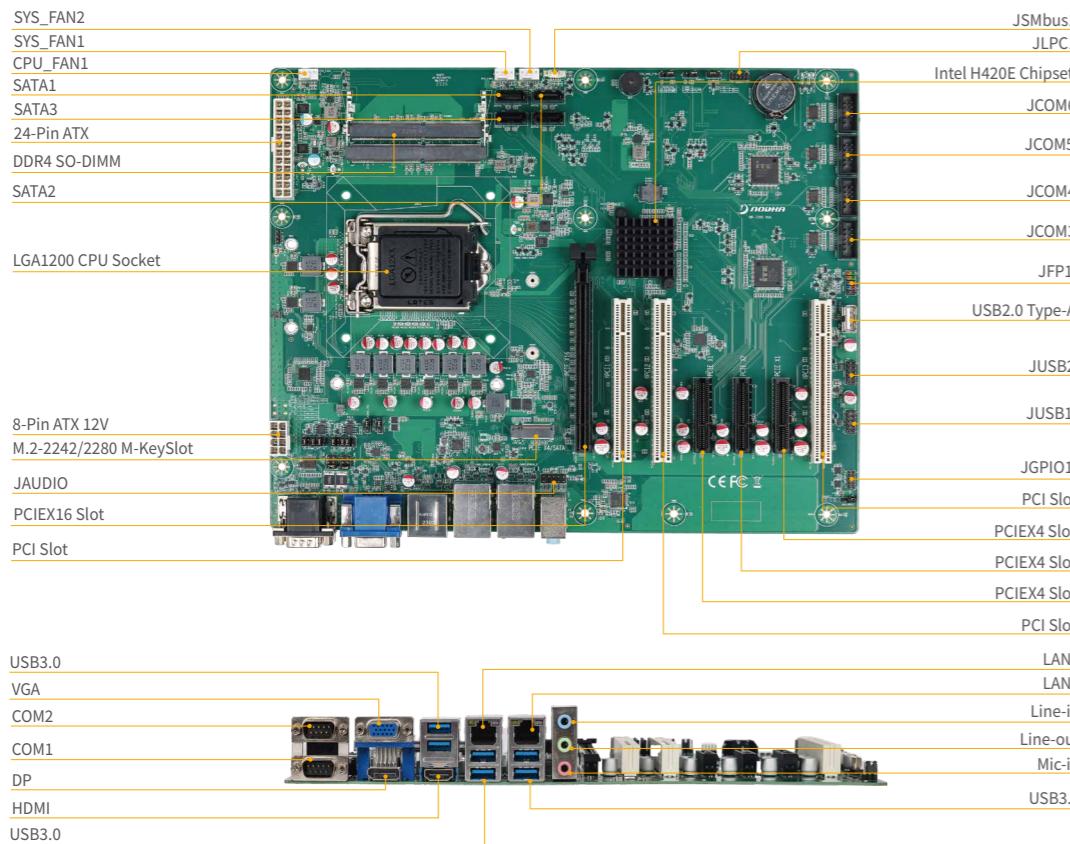


规格 Specification

项目	NK-7208	
处理器 Processor System	CPU	Intel® 11th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W
	插槽 Socket	LGA1200
	芯片组 Chipset	Intel Q470/Q470E
	BIOS	AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology	Dual Channel(Non-ECC) DDR4-2933/3200MHz, up to 64GB
	插槽 Slots	2 x DDR4 SO-DIMM slots
存储 Storage	SATA	4 x SATA3.0 (up to 6Gb/s),support RAID 0/1/5/10
	M.2 SSD	1 x M.2-2242/2280 Key M slot (SATA3.0/PCIE(11th Gen. processors) Signal)
图形 Graphic	控制器 Controller	Intel HD graphics integrated
音频 Audio	编解码器 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 4096 x 2160@30Hz
	网络 Ethernet	2 x GbE(RJ45) ;LAN1:Intel i219-V controller ;LAN 2:Intel i210AT controller
	USB	6 x USB3.0(5Gbps)
	串口 Serial	2 x RS485/232
	音频 Audio	1 x Line-out, 1 x Mic-in, 1 x Line-in
	USB	2xUSB3.0 Pin header(1x2*5pin),4xUSB2.0 Pin header,(2x2*5pin),1xverticalUSB2.0 type-A connector
	串口 Serial	4 x RS232 wafer(2*5pin)
内部接口 Internal I/O	LPC	1 x LPC header(2*5pin)
	FAN	2 x System FAN (1*4pin),1x 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)
	PCIe X16	2 x PCIeX16(Gen3) slots (1 x 16 or 2 x 8(default) link)
	PCIe X4	3 x PCIeX4(Gen3) slots
扩展接口 Expansion Slots	PCI	2 x PCI slots
	看门狗定时器 Watchdog Timer	Output & Interval
		System reset, programmable from 1~255 sec
安全 Security	TPM	fTPM2.0
	电源 Power	ATX Power Input:24-Pin ATX + 8-Pin ATX 12V
	操作系统 O.S Support	Microsoft Windows
机械参数 Mechanism	Windows 10 /11	
	Linux	Linux
环境 Environment	尺寸 Dimensions	(L)305mm x(W) 244mm
	净重 Gross Weight	0.67KG
工作温度 Operating	工作温度	0°C ~ 60°C
	存储温度 Storage	-40°C ~ 85°C
	相对湿度 Humidity	5~95% (Non-condensing)

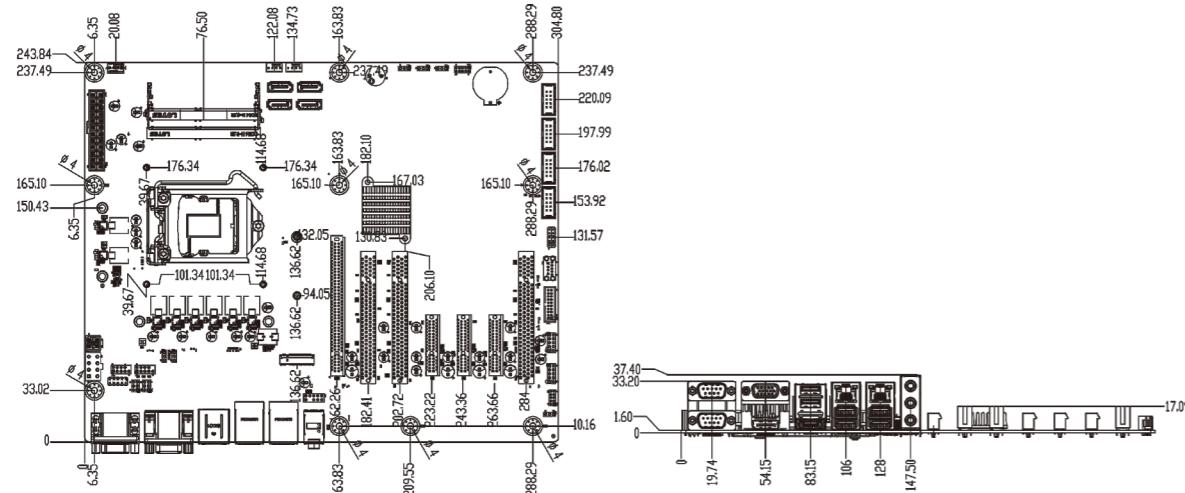
NK-7205

Intel® 10/11th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W



- 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 Dual-display
- 2 x Giga-bit Ethernet
- 6 x USB3.0 ports, 4 x USB2.0 ports
- 2 x RS232/485, 4 x RS232
- 3 x SATA3.0, 1 x SATA M.2-2242/2280 Slot
- 1 x PCIE X 16, 3 x PCIE4(x1link), 3 x PCI slots

尺寸图 Size(Unit:mm)

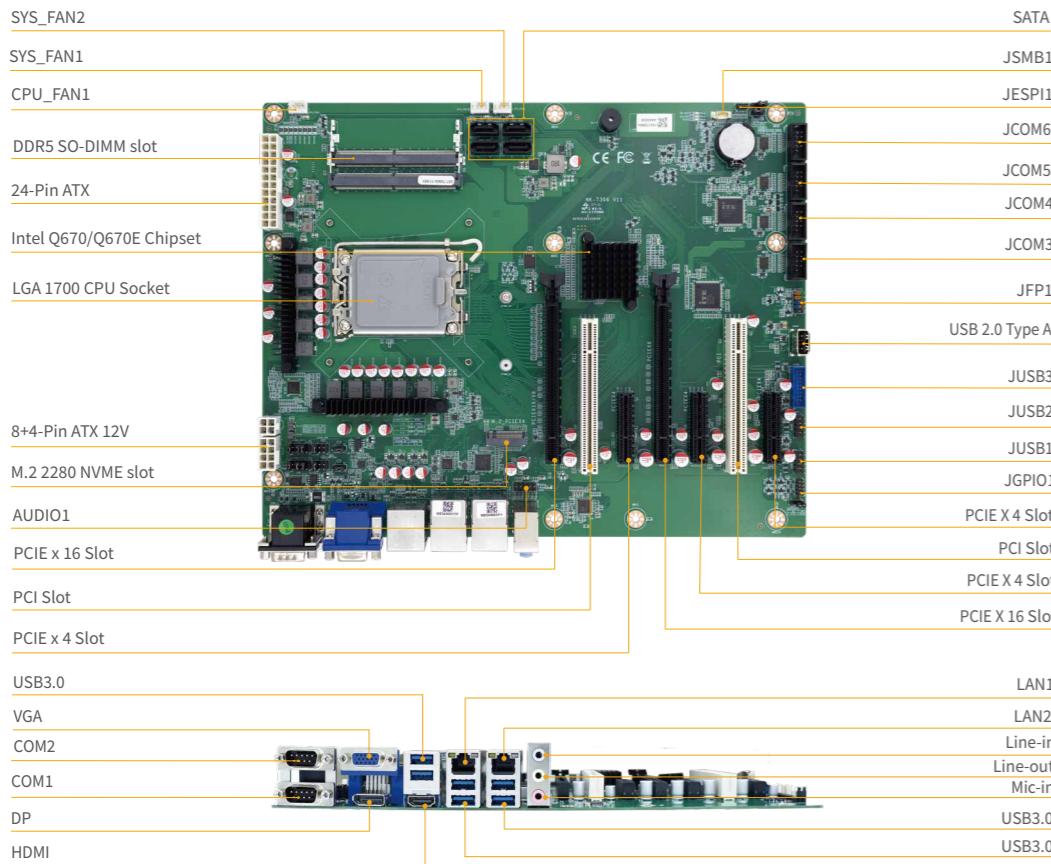


规格 Specification

项目	NK-7205
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 插槽 Slots 2 x DDR4 SO-DIMM slots
存储 Storage	M.2 SSD 1 x M.2-2242/2280 Key M slot(SATA 3.0 Signal) SATA 3 x SATA3.0 (up to 6Gb/s)
图形 Graphics	控制器 Controller Intel HD graphics integrated
音频 Audio	编解码器 Codec Realtek ALC897 codec
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
外部接口 Rear I/O	网络 Ethernet 2 x GbE(RJ45) LAN1:Intel i219-V controller ,LAN2:Intel i210AT 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 3 x USB2.0 pin header (2 x 2*5pin), 1 x vertical USB2.0 type-A connect 串口 Serial 4 x RS232 wafer(2*5pin) LPC 1 x LPC 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)
扩展槽 Expansion Slots	PCIe X 16 1 x PCIeX16(Gen3) slot PCIe X 4 3 x PCIeX4(Gen3, x1 link) slots PCI 3 x PCI slots
看门狗定时器 Watchdog Timer	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-Pin ATX 12V
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 0.67KG
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)

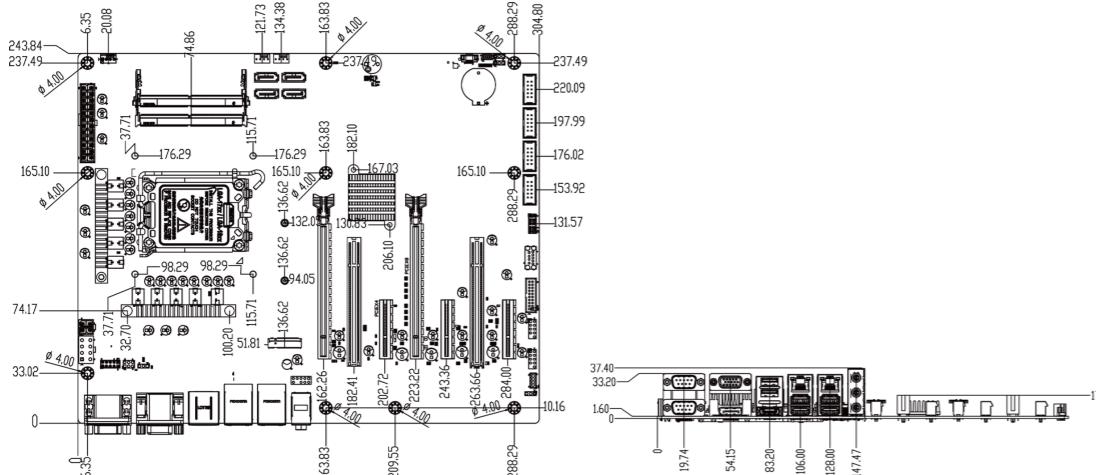
NK-7306

Intel® 12/13/14 th Generation Celeron/Pentium/Core-I series LGA1700 processor,TDP up to 125W



- Intel® 12/13/14 th 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
- 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

尺寸图 Size(Unit:mm)

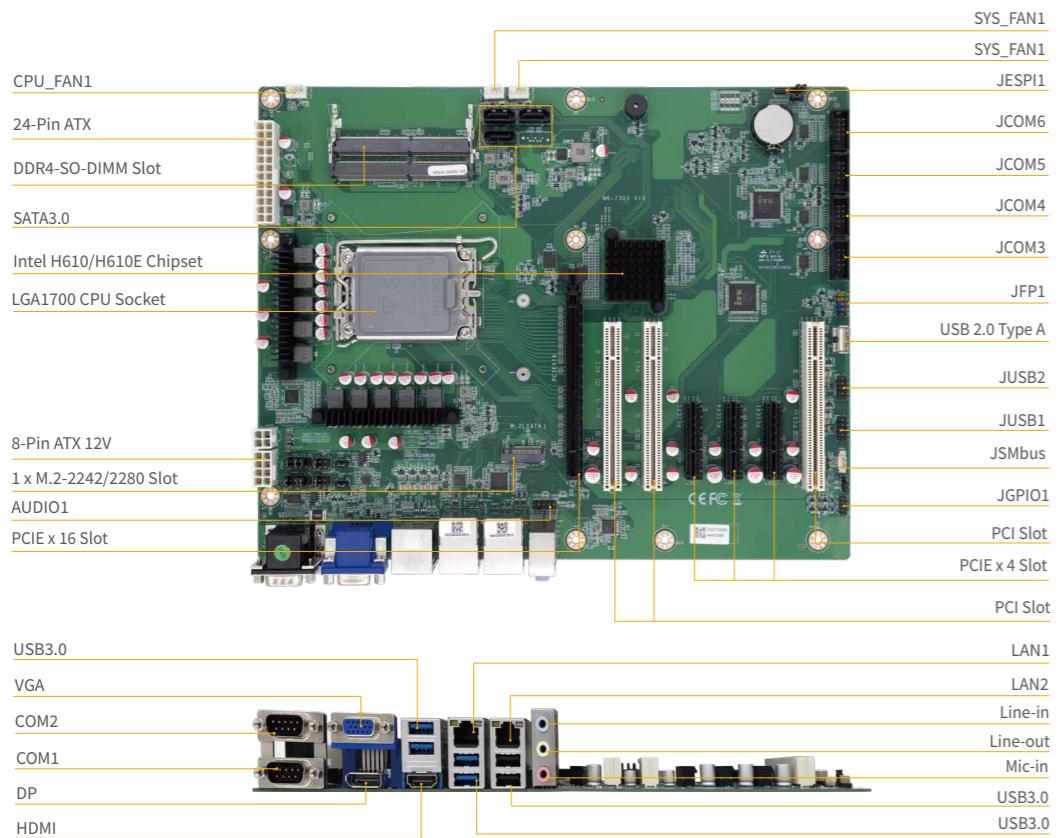


规格 Specification

项目	NK-7306	
处理器 Processor System	CPU	Intel® 12/13/14 th 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 DDR5 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(PCIE/Signal)
图形 Graphic	控制器 Controller	Intel HD graphics integrated
音频 Audio	编码器 Codec	Realtek ALC 897 codec
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
外部接口 Rear I/O	网络 Ethernet	2 x GbE(RJ45);LAN1:Intel i219-V controller;LAN 2:Intel i210-AT controller
	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
	USB	2xUSB3.0 Pin header(1x2*5pin),4xUSB2.0 Pin header,(2x2*5pin),1xvertical USB2.0 type-A connector
	串口 Serial	4 x RS232 wafer(2*5pin)
内部接口 Internal I/O	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)
扩展接口 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
安全 Security	TPM	fTPM2.0
看门狗定时器 Watchdog Timer	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
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	0.71KG
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)

NK-7305

Intel® 12/13/14 th Generation Celeron/Pentium/Core-I series LGA1700 processor,TDP up to 125W

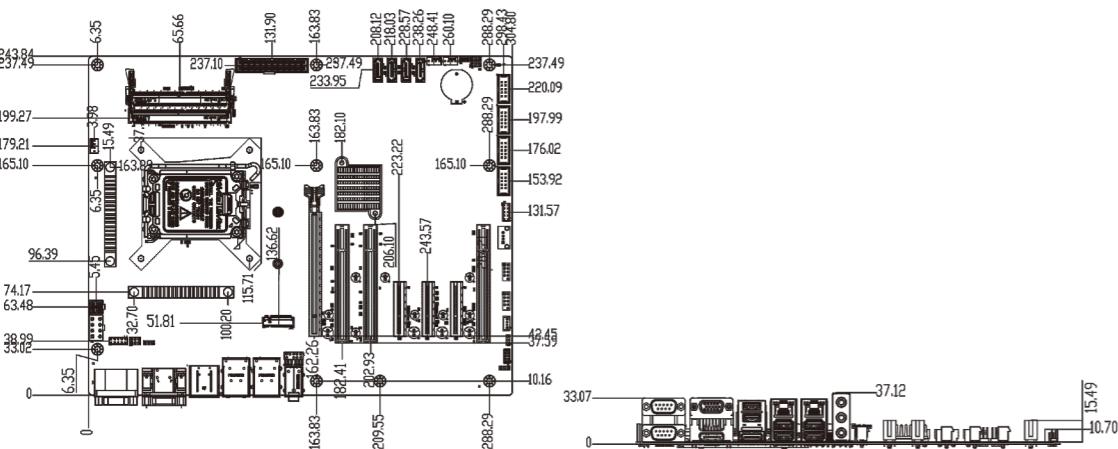


- Intel® 12/13/14 th Generation Celeron/Pentium/Core-I series LGA1700 processor,TDP up to 125W
- Support Dual Channel(Non-ECC) DDR4-3200MHz SO-DIMM slot, up to 64GB
- Support VGA,HDMI,DP Tri-display
- 2 x Giga-bit Ethernet
- 4 x USB3.0 ports, 6 x USB2.0 ports
- 2 x RS232/485, 4 x RS23
- 3 x SATA3.0, 1 x SATA M.2-2242/2280 Slot
- 1 x PCIe4.0 X 16 (GEN 4),1 x PCIe X4(Gen3) , 2 x PCIe X4(Gen3, X1 link), 3 X PCI

规格 Specification

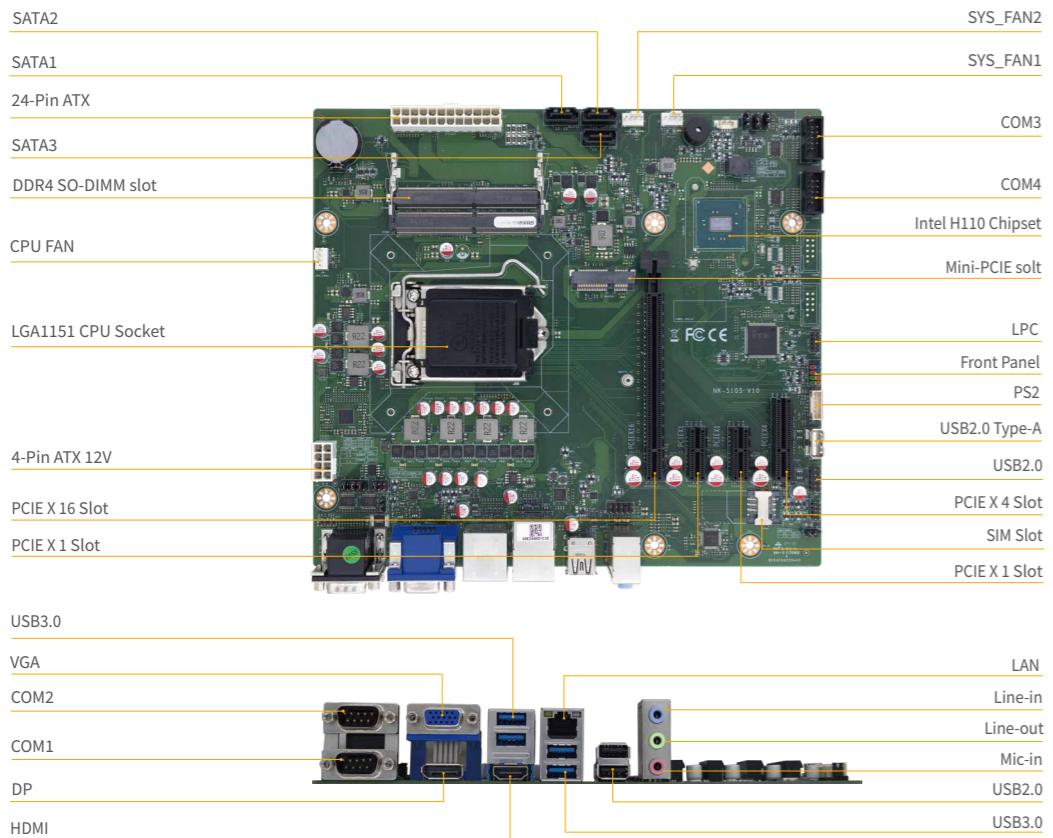
项目	NK-7305	
处理器 Processor System	CPU	Intel® 12/13/14th Generation Celeron/Pentium/Core-I series processor, TDP up to 125W
	插槽 Socket	LGA1700
	芯片组 Chipset	Intel H610/H610E
	BIOS	AMI 256Mb UEFI BIOS
内存 Memory	技术 Technology	Dual Channel(Non-ECC) DDR4 3200MHz, up to 64GB
	插槽 Slot	2 x DDR4 SO-DIMM slots
存储 Storage	SATA	3 x SATA3.0 (up to 6Gb/s)
	M.2	1 x M.2-2242/2280 Key M slot (SATA3.0 Signal)
图形 Graphic	控制器 Controller	Intel HD graphics integrated
	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
外部接口 Rear I/O	网络 Ethernet	2 x GbE(RJ45) ; LAN1:Intel i219-V controller ;LAN 2:Intel i210-AT controller
	USB	4 x USB3.0(5Gbps), 2 x USB2.0(480Mbps)
	串口 Serial	2 x RS232/485
	音频 Audio	1 x Line-out, 1 x Mic-in, 1 x Line-in
	USB	3 x USB2.0 pin header (2 x 2*5pin), 1 x vertical USB2.0 type-A connect
	串口 Serial	4 x RS232 wafer(2*5pin)
	eSPI	1 x eSPI header (2*5pin)
内部接口 Internal I/O	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)
扩展接口 Expansion Slots	PCIe X16	1 x PCIe X16(Gen4) slot
	PCIe X4	1 x PCIe X4(Gen3) slot, 2 x PCIe X4(Gen3, X1 link) slots
	PCI	3 x PCI slots
看门狗定时器 Watchdog Timer	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
操作系统 O.S Support	MS Windows	Windows 10/11
	Linux	Linux
机械参数 Mechanism	尺寸 Dimensions	(L)305mm x(W) 244mm
	净重 Gross Weight	0.76KG
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)

尺寸图 Size(Unit:mm)



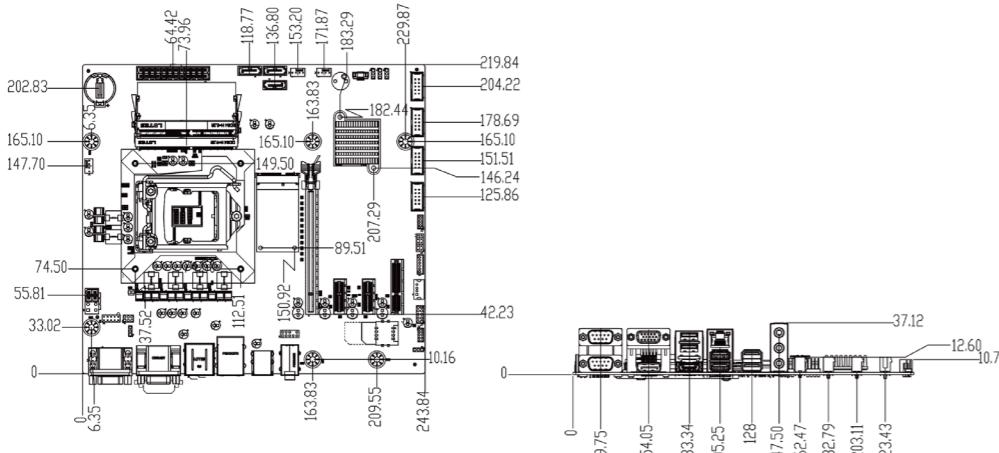
NK-5105

Intel® 6/7/8/9th Generation Celeron/Pentium/Core-I series processor,TDP 95W



- 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)

尺寸图 Size(Unit:mm)



规格 Specification

项目	NK-5105	
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
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	
外部接口 Rear I/O	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
	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)
内部接口 Internal I/O	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	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)