



Technical Specifications

Processor	Alder Lake N Series	i3-N305	N100	N97	
	Total Cores/Threads	8C/8T	4C/4T	4C	
	Max Turbo Frequency	3.80GHz	3.40GHz	3.60GHz	
	Cache	6MB	6MB	6MB	
	TDP	15W	6W	12W	
	Cooling Method	Active	Passive	Active	
	BIOS	AMI UEFI BIOS			
Memory	Type	Single Channel SO-DIMM DDR4			
	Max.Capacity	32GB			
Display	GPU	Integrated Intel UHD Graphics			
	Interface	1x HDMI2.0+1x DP+1x LVDS/eDP			
Ethernet	Controller	2x Intel i226 Data Rate Per Port: 2.5GbE			
	Interface	2xRJ45			
	Wake on LAN	Yes			
Audio	Audio Codec	Realtek HD			
	Interface	1xLine-out, 1xMic-in, supports audio header and amplifier header			
Hardware	CPU system temperature, onboard voltage, watchdog, and auto power on				
Storage	M.2	1×M.2 for SATA SSD/4G			
	SATA	1			
Expansion	M.2	1x M.2 for WiFi, support Intel® Integrated Connectivity (CNVi)			
	PCIe4X	1(PCIe 2X Signal)			
	SIM	Optional			
I/O Interface	LAN	2			
	COM	6×COM: 6×RS232(default) or 5×RS232+1×RS485(COM2)			
	USB3.2	2*rear ports			
	USB2.0	2*rear ports+4*headers			
	USB Dongle	1(USB2.0)			
	GPIO	8			
	Audio	1×Line-out, 1×Mic-in			
	TPM2.0	Onboard, optional			
	Dimension	Size	170mm×170mm		
		Board Type	Mini-ITX		
Power	Standard Port	12/19V DC-in			
	Peripheral Input	For Fan and SATA			
	Operating Temp.	-20°C ~60°C			
	Storage Temp.	-40°C ~80°C			
Operating System	Win10/11 64 bit, Linux 64 bit				

Functional Block Diagram

description might vary due to inventory changes.

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