

CPU information

CPU Specifications	CPU Brand	CPU Model	Cores/Threads	Frequency	Turbo	CPU basic power consumption (W)	Maximum turbo power consumption (W)
12th Generation I3	Core	1215U	Six cores and eight threads	1.2G	4.4G	15	55
12th generation I5	Core	1235U	Ten cores and twelve threads	1.3G	4.4G	15	55
		1245U	Ten cores and twelve threads	1.6G	4.4G	15	55
12th Generation I7	Core	1265U	Ten cores and twelve threads	1.8G	4.8 G	15	55
		1255U	Ten cores and twelve threads	1.7G	4.7 G	15	55
12th Generation I3	Core	1220P	Ten cores and twelve threads	1.5G	4.4G	28	64
12th generation I5	Core	1240P	Twelve cores and sixteen threads	1.7G	4.4G	28	64
		1250P	Twelve cores and sixteen threads	1.7G	4.4G	28	64
12th Generation I7	Core	1280P	Fourteen cores and twenty threads	1.8G	4.8 G	28	64
		1260P	Twelve cores and sixteen threads	2.1G	4.7 G	28	64
		1270P	Twelve cores and sixteen threads	2.2G	4.8 G	28	64
12th generation I5	Core	12450H	Eight cores and twelve threads	2.0G	4.4G	45	95
		12500H	Twelve cores and sixteen threads	2.5G	4.5G	45	95
12th Generation I7	Core	12800H	Fourteen cores and twenty threads	2.4G	4.8 G	45	115
		12700H	Fourteen cores and twenty threads	2.7G	4.7 G	45	115



		12650H	Ten cores and sixteen threads	2.3G	4.7G	45	115
		12600H	Twelve cores and sixteen threads	2.7G	4.5G	45	95
12th Generation I9	Core	12900H	Fourteen cores and twenty threads	2.5G	5.0G	45	115
13th Generation I3	Core	1305U	Five cores and six threads	1.6 G	4.5G	15	55
		1315U	Six cores and eight threads	1.2 G	4.5G	15	55
13th Generation I5	Core	1334U	Ten cores and twelve threads	1.3G	4.6G	15	55
		1335U	Ten cores and twelve threads	1.3G	4.6G	15	55
		1345U	Ten cores and twelve threads	1.6G	4.7G	15	55
13th Generation I7	Core	1355U	Ten cores and twelve threads	1.7G	5.0G	15	55
		1365U	Ten cores and twelve threads	1.8G	5.2G	15	55
13th Generation I5	Core	1340P	Twelve cores and sixteen threads	1.8G	4.6G	28	64
		1350P	Twelve cores and sixteen threads	1.9G	4.7G	28	64
13th Generation I7	Core	1360P	Twelve cores and sixteen threads	2.2G	5.0G	28	64
		1370P	Fourteen cores and twenty threads	1.9G	5.2G	28	64
13th Generation I5	Core	13420H	Eight cores and twelve threads	2.1G	4.60G	45	95
		13500H	Twelve cores and sixteen threads	2.6G	4.70G	45	95
		13600H	Twelve cores and sixteen threads	2.8G	4.80G	45	95
13th Generation I7	Core	13620H	Ten cores and sixteen threads	2.4G	4.90G	45	115
		13700H	Fourteen cores	2.4G	5.00G	45	115



			and twenty threads				
		13800H	Fourteen cores and twenty threads	2.5G	5.20G	45	115
13th Generation i9	Core	13900H	Fourteen cores and twenty threads	2.6G	5.40G	45	115

Product Specifications

PC size	110mm(L)*107mm(W)*39mm(H)	
Motherboard size	100mm(L)*100mm(W)*32mm(H)	
CPU Processor	NUC12	Supports 12th generation Intel Alder Lake U/P/H series i5-1235U, i5-1240P, i7-12600H, etc.
	NUC13	Support 13th generation Intel Raptor Lake U/P/H series i5-1335U, i7-1360P, i9-13900H, etc.
Power supply	1*DC_IN (Can be changed to 4Pin ATX)	The inner diameter of the DC head is 2.5MM, supporting 12~24V wide voltage power supply The maximum turbo power consumption of the U series CPU is 55W, and it is recommended to use a 9V 8A or higher power supply; The maximum turbo power consumption of the P series CPU is 64W, and it is recommended to use a 9V 10A or higher power supply; The maximum turbo power consumption of the H series CPU is 115W, and it is recommended to use a 9V 14A or higher power supply;
Memory	1*SO DIMM slot	Support 2133/2400/2666/ 2933/3200MHz memory, maximum support 32G
Display functions	Integrated Intel UHD Graphics ultra-core graphics card , supports single display, dual display /triple display copy, dual display /triple display expansion	
	1*Mini-DP interface	Does not support DP++ , supports 4K resolution 4096/3840*2160@60Hz
	1*HDMI 2.0 interface	Support 4K resolution 4096/3840*2160@60Hz
	1*Type-C interface	Support 4K resolution 4096/3840*2160@60Hz
Network Features	1*RJ45_LAN interface	Intel WGi219V Gigabit LAN, supports network wake-up , PXE function
	1*M.2_WIFI interface	PCIE3.0 signal, support Key-E interface M.2 2230 WIFI/Bluetooth module



Hard disk function	1*M.2 -SATA/PCIE interface	PCIE3.0 signal, supports Key-M interface, default M.2 2280 hard disk, optional M.2 2242 hard disk; The default support is NVME (PCIE) protocol, and the hardware can be changed to support SATA protocol
Sound Features	Integrated Realtek ALC 897 HD digital audio decoder, 6-channel high-fidelity audio controller;	
	1*LINE_OUT interface	Support LINE_OUT output and MIC_IN input
	The mainboard HDMI interface supports HDMI display audio output	
	The motherboard Mini-DP interface supports DP monitor audio output	
	The motherboard Type-C interface supports Type-C monitor audio output	
USB Function	3*USB3.2 interface	Rear standard USB3.2 Gen1 interface, maximum transmission bandwidth is 5Gbps
	1*Type-C interface	Standard Type-C3.0 interface, can connect USB devices
	2*USB2.0 interface	Front standard USB2.0 interface
Switch function	1*POWER button	Switch button
	1*AUTO_SW pin	Hardware power-on control pin (3Pin, 1*3Pin, 2.0mm)
Other I/O	1*COM1 port	Support standard RS232 /RS422/ RS485 optional (BIOS setting)
	1*CLR_CMOS pin	Mainboard discharge, reset pin (3Pin, 1*3Pin, 2.0mm)
	1*CPU_FAN pin	CPU fan pin, supports temperature control (4Pin, 1*4Pin, 1.25mm)
Operating Environment	Working temperature: -10°C~60°C; Working humidity: 5%~95% relative humidity, no condensation	
BIOS	AMI BIOS, supports power-on, scheduled power-on, remote power on and off, and intelligent device identification	
Watch Dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Support Windows 10, Windows 11, LINUX, etc.	

