

CPU information

CPU Specifications	CPU brand	CPU model	main frequency	Turbo	CPU power consumption (W)	Full load power consumption approx. (W)
8th generation I3	core	8145U	Dual core 2.1G	3.9G	15	60
8th generation I 5	core	8365U	Quad core 1.6G	4.1G	15	60
		8265U	Quad core 1.6G	3.9G	15	60
8th generation I7	core	8665U	Quad core 1.9G	4.8G	15	60
10th generation I3	core	10110U	Dual core 2.1G	4.1G	15	60
10th generation I5	core	10310U	Quad core 1.7G	4.4G	15	60
	core	10210U	Quad core 1.6G	4.2G	15	60
10th generation I7	core	10510U	Quad core 1.8G	4.9G	15	60
	core	10610U	Quad core 1.8G	4.9G	15	60
	core	10810U	Six-core 1.1G	4.9G	15	60
	core	10710U	Six-core 1.1G	4.7G	15	60

Product Specifications

PC model	NANO10	
Applicable motherboard	NANO8U-UA/NANO10U-UA	
PC size	136mm(L)*127mm(W)*42mm(H)	
CPU processor	NANO8U-UA	Support 8 generations of Whiskey Lake CPU: I3-8145U, I5-8265U, I7-8665U, etc.
	NANO10U-UA	Support 10th generation Comet Lake_CPU: I3-10110U, I5-10210U, I7-10510U, etc.
Memory support	1*DDR4 SODIMM memory slot, support 2133/2400/2666MHz memory, low voltage 1.2V, maximum support 32GB	
power supply	1*DC_IN	Support 12V/19V voltage, the inner diameter of DC head is 2.5MM full load power consumption of the motherboard is about 55W, it is recommended to use a power supply of 12V /7 A or 19V5A or above
Display function	Integrated Intel UHD Graphics ultra-core graphics card, support single display, dual display/triple display copy, dual display/triple display expansion, single display under DOS	
	1*HDMI interface 1.4	Support 4K resolution 4096/3840*2160@30Hz
	1*VGA interface DB15	Support resolution 1920*1080@60HZ
Network features	1*RJ45 LAN interface (Optional dual network ports)	Single or dual network Realtek 8111H Gigabit LAN chip, support wake on LAN and PXE diskless boot function Optional Realtek 8106E Fast Ethernet chip
	1*Mini-PCIE interface	Support WIFI/3G/4G/GPS/Bluetooth module, optional support MSATA
Hard disk function	1*M.2 interface	Default support M.2 2280, optional 2242; support NVME (PCIE) protocol and SATA protocol disk;
	1*Mini-PCIE interface	Can be changed to support MSATA
Sound function	Integrated Cmedia HS_100B USB audio chip	
	1*LIN_OUT interface	Support audio output (green)
	1*MIC_IN interface	Support microphone input (red)
USB function	4*USB3.1 interface	Rear standard USB3.1 Gen2 interface , the maximum transmission bandwidth is 10.0Gbps
	4*USB2.0 interface	Rear standard USB2.0 interface
Switch function	1*PWR_SW button	switch button
Other I/O	1*COM interface	Serial port, optional support RS232 /RS422/RS485
	1*SIM_CARD slot	Support SIM card, SIM card is required when using 3G/4G
Operating environment	Working temperature: -10℃~60℃; Working humidity: 5%~95% relative humidity, non-condensing	
BIOS	AMI BIOS, support power-on, scheduled power-on, remote power-on and power-on device intelligent identification	
Watch Dog	Watchdog programming, support hardware reset function (256 levels, 0~255 seconds)	
Operating system	Support Windows 11, Windows 10, Linux, etc.	