

HM312 Series

Features

- Intel® Alder Lake-N N97/i3-N305
- Single-channel DDR5-4800, with a maximum memory capacity of 16GB
- Dual displays with DP and HDMI
- 3x LAN (2x Intel i210; 1x Realtek RTL8111H)
- 1x RS-232/422/485; 1x RS-232; 2x RS-232/485
- 3x USB 3.0; 1x USB 2.0
- Support expansion of 4G/5G and Wi-Fi 6 wireless communication modules
- DC9-36V, support optional UPS module expansion



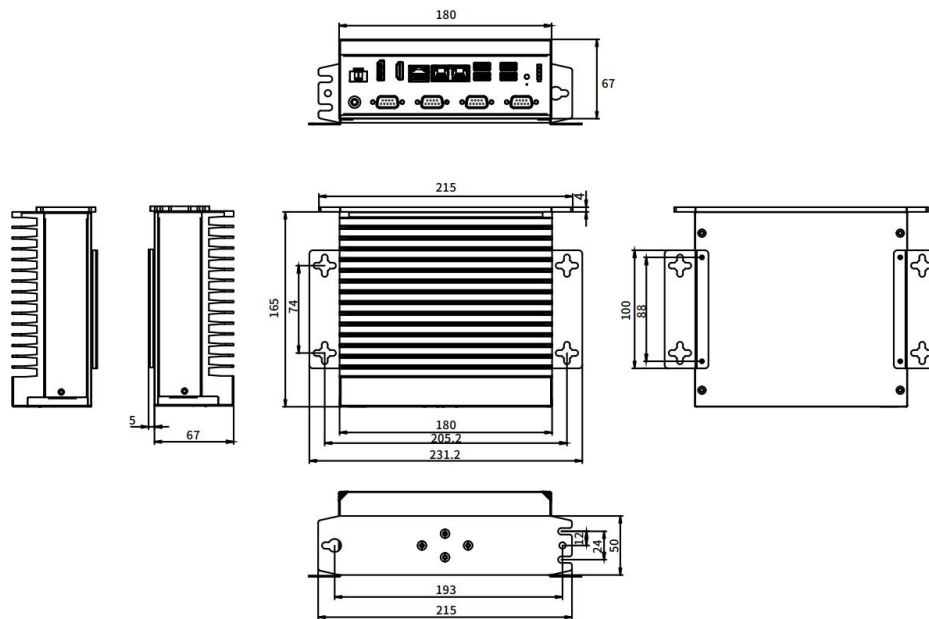
Product Parameters

System Parameters	CPU	Intel Alder Lake-N N97/i3-N305
	Chipsets	Intel® SoC Integrated
	BIOS	AMI 128Mbit SPI Flash
	Memory	2x SODIMM DDR5, MAX 16GB
	Storage	1x M.2 2280 SSD (SATA)
External I/O	Display	1x DP, MAX 4096 x 2304@60Hz 1x HDMI, MAX 4K/2K@60Hz
	LAN	2x LAN, Intel® i210 GbE 1x LAN, Realtek RTL8111H GbE
	COM	1 x RS-232/422/485, 1 x RS-232, 2x RS-232/485
	USB	3x USB3.0; 1x USB2.0
Other	Remote	Support remote switching, integrated in the power supply part
	Reset	Support BIOS reset by long-pressing the power button when shutdown

Product Parameters		
Internal Expansion	USB	1xInternal USB2.0(Pin)
	M.2	1xM.2 3052, support 4G/5G; 1xM.2 2230, support Wi-Fi
	SIM	1 x Nano SIM
System	OS	Windows 10/11.centos 8.ubuntu 20.04/22.04
Power supply	Input voltage	DC9~36V
	Power	MAX 60W
Mechanical parameters	Installation	Wall-mounted installation (rail optional)
	Dimensions	180 x 165 x 67 mm
	Net weight	1.2kg
Environmental parameters	Operating temperature	0~50°C, with an air flow of 0.7 meters per second
	Storage temperature	-20°C ~60°C, 60°C @ 95% (non-condensing)
	Relative humidity	10 ~ 95% @ 40°C(non-condensing)
	EMC	CE、FCC

HM312

Unit:mm



Ordering Information

Model	CPU	MEM	SSD	HDD (2.5")	Expansion module
HM312-SXXX	N97	8G/16G	128G/256G/512G/1T/2T	/	WiFi module/5G module
HM312-SXXX	i3-N305	8G/16G	128G/256G/512G/1T/2T	/	WiFi module/5G module

*XXX represents the memory capacity 2X, solid-state drive capacity 2X, and mechanical hard drive capacity XT in sequence