

NX-N100

Intel® Alder Lake N series Processor based Ultra Compact Fanless Mini PC with 2HDMI2.0 plus DP1.4(USB-C)



Features

- CPU: Intel® Alder Lake N series Processor
- Memory: Single Channel SO-DIMM DDR4 up to 32GB
- Display: Integrated Graphics display via 2xHDMI2.0 plus DP1.4(USB-C)
- I/O Ports: 2xLAN, 3xUSB3.2, 1xUSB2.0, USB-C, SIM, COM optional
- Ethernet: 10/100/1000/2500Mbps
- Storage: 1x M.2 2280 SATA/4G, 1xSATA(FPC)
- Power: 12V DC-in



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Introduction

The Maxtang's NX-N100 ultra-compact fanless mini-PC incorporated the Intel Alder Lake-N series processor, offering you greater computing power with cost advantages. Supports Single-channel SO-DIMM DDR4 up to 32GB, multiple displays via 2xHDMI2.0 plus USB-C DisplayPort 1.4 Alt Mode. A rich i/o interface includes 2xLAN, 3xUSB3.2, and 1xUSB2.0 to meet most market requirements. It provides an excellent customer experience and a long-lasting life expectancy for future development.

Based on small form factors, the compact design at 127mm x 127mm x 45.6mm makes it great for space-saving. The NX-N100 has 1xM.2 for storage or a 4G module, 1x FPC SATA interface with built-in Wi-Fi&Bluetooth, SIM slot for expansion. Desktop ready for easy installation. With advanced cooling construction and a compact, fanless design it can overcome noise challenges. Its comprehensive connectivity makes it suitable for kiosks, PoS, retail, or other IoT application uses.

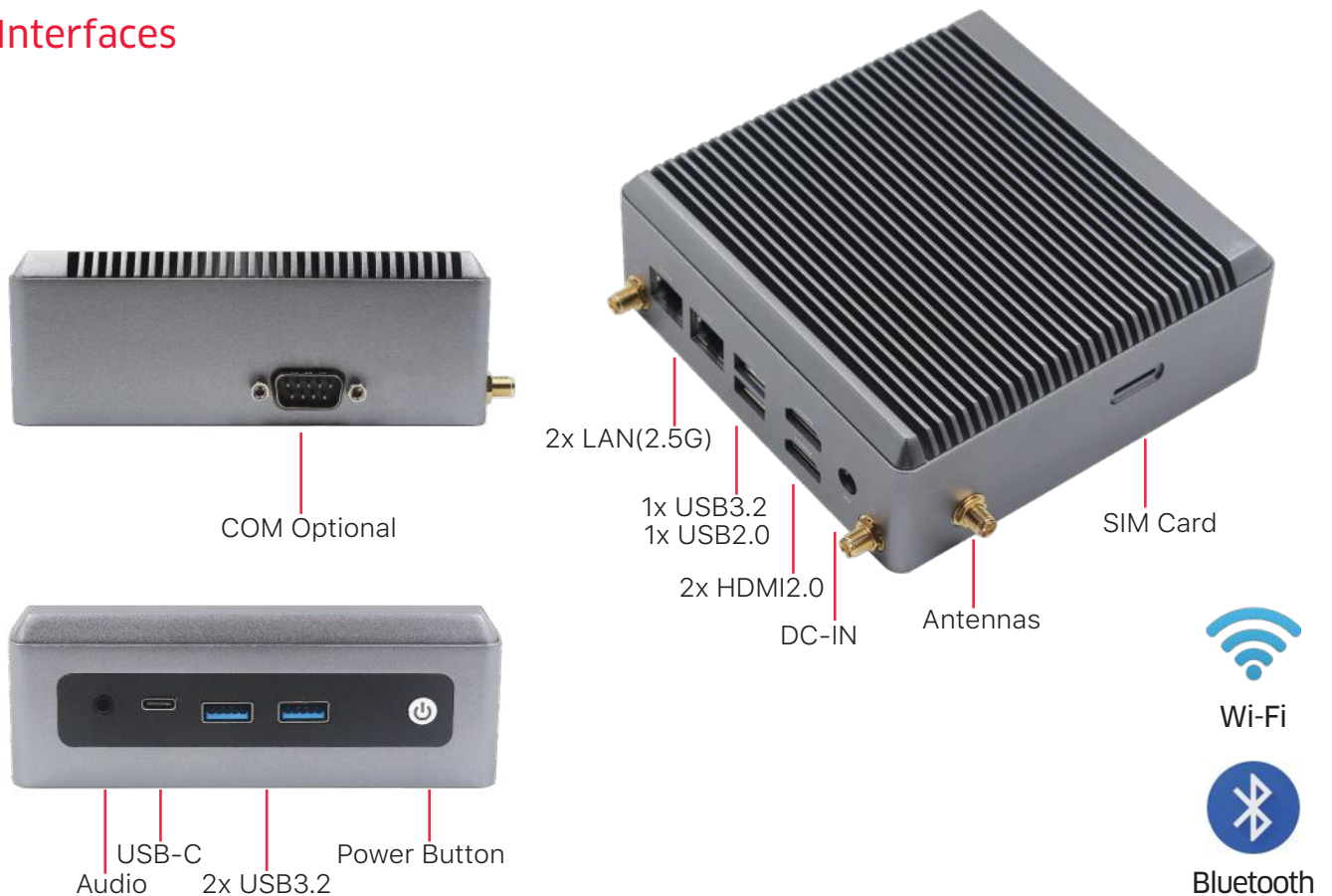


H/W Monitor



Watchdog

I/O Interfaces

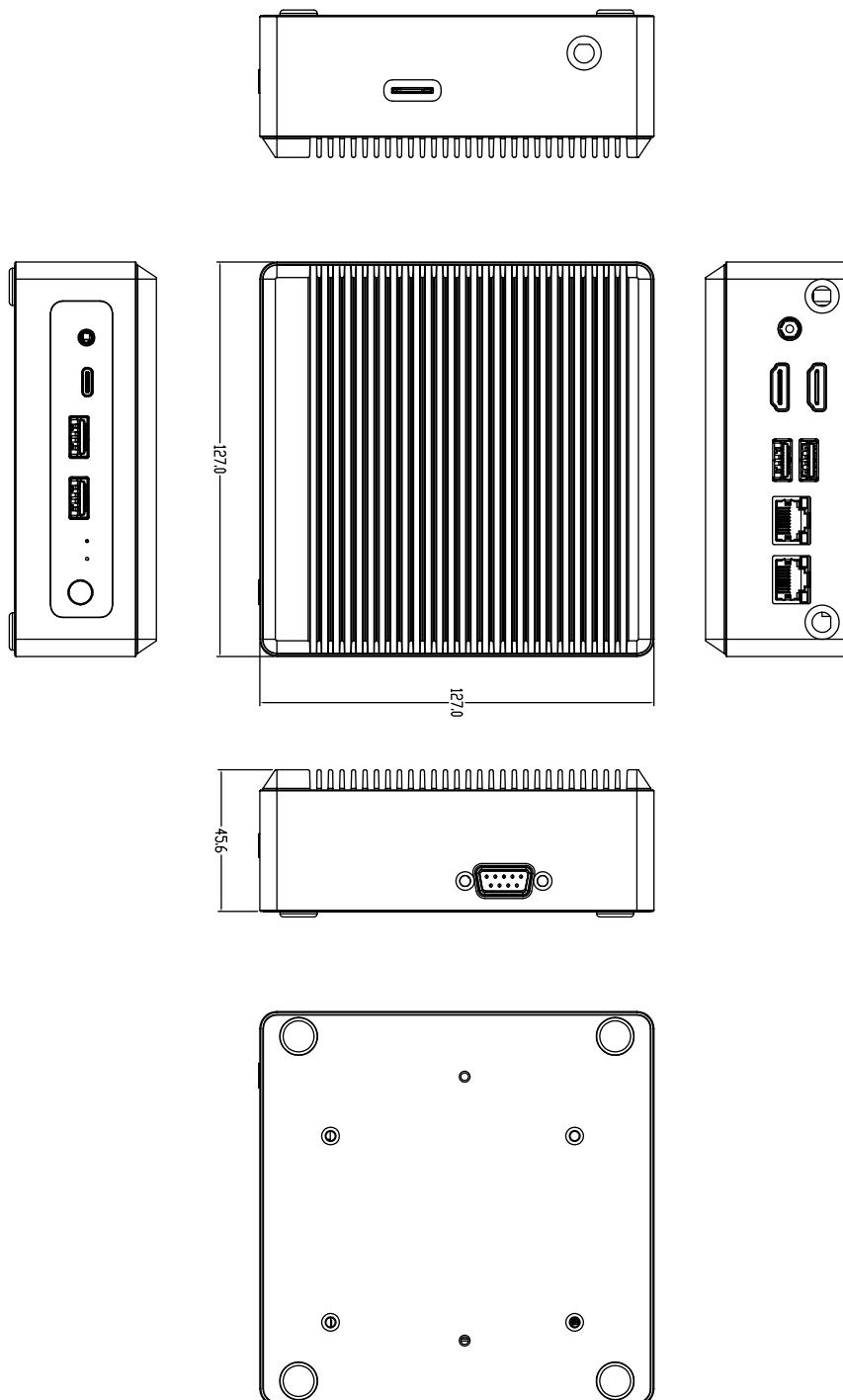


Technical Specifications

Processor	CPU	N100
	Total Cores/Threads	4C/4T
	Max Turbo Frequency	3.40GHz
	Cache	6MB Intel® Smart Cache
	TDP	6W
Memory	Type	Single Channel SO-DIMM DDR4
	Max. Capacity	32GB
Display	GPU	Integrated Intel® UHD Graphics
	Display Interface	2xHDMI2.0 plus DisplayPort 1.4 through USB-C
Ethernet	Speed	10/100/1000/2500 Mbps
	Controller	RTL8125
	Interface	2x RJ45
	Wake on LAN	Yes
Audio	Audio Codec	Realtek HD
	Interface	1xCTIA 2-in-1 Audio Jack, supports Mic-in+Line-out
Storage	M.2	1xM.2 for 2280 SATA/4G
	SATA	1x FPC SATA interface
Expansion	M.2	1xM.2 for WiFi, supports PCIe, USB&CNVi
	SIM	1
Other I/O	EMMC	optional
	COM	RS232 optional
	USB2.0	1
	USB3.2	3
	Type-C	1xUSB-C
		Support USB 3.2 Gen 2 upstream/DisplayPort 1.4 Alt Mode
	Wired Control	Optional
	TPM	Optional
Dimension	Size	127mm x 127mm x 45.6mm
Weight	N.W.	TBD
Power	Standard Port	12V DC-in
Temperature	Operating Temp.	- 20°C to 60°C
	Storage Temp.	- 40°C to 80°C
Cooling Method		Passive
Operating System		Windows 10/11 64bit, Linux 64bit

* All specifications and photos are subject to change without notice.

Dimension (in mm)



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