

SXC-ALN30

Intel® Alder Lake N Series CPU based Embedded Mini PC supports multiple displays with 3 HDMI 2.0



Features

- CPU: Intel® Alder Lake N Processor
- Memory: Single Channel SO-DIMM DDR4 up to 32GB
- GPU: Integrated Intel® UHD Graphics, Max three display screens
- Ethernet: 10/100/1000Mbps
- Storage: M.2 Key_M Slot for SATA/NVMe SSD
M.2 Key_B Slot for SATA/NVMe SSD or 4G Module
- I/O Ports: 2xLAN, 2xCOM, 4xUSB3.2, 2xUSB2.0, 3xHDMI
- Expansion: M.2_E Slot for Wi-Fi(support PCIe&USB), Nano SIM
- Power: 12V/19V DC-IN(9-35V optional)
- Support HDMI Hot-Plug Lock, RTC/W



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Introduction

The SXC-ALN30 is a high-performance, compact embedded mini PC designed to meet the demanding needs of industrial and commercial applications. Powered by Intel® Alder Lake N processors, it delivers robust processing capabilities, supporting up to 32GB DDR4 memory and integrated Intel® Graphics that drive up to three 4K displays via HDMI 2.0. Its versatile I/O options, including dual LAN, six USB ports, and two COM ports, make it ideal for applications like automation, digital signage, and IoT deployments.

Built for reliability, the SXC-ALN30 features a durable, fanless design that operates in extreme temperatures (-20°C to 60°C) and supports standard 12V/19V DC power inputs. With dual M.2 slots for SATA/NVMe SSDs and optional 4G connectivity, it offers scalable storage and connectivity options to meet diverse operational requirements. Compact yet powerful, the SXC-ALN30 is your go-to solution for modern industrial computing.



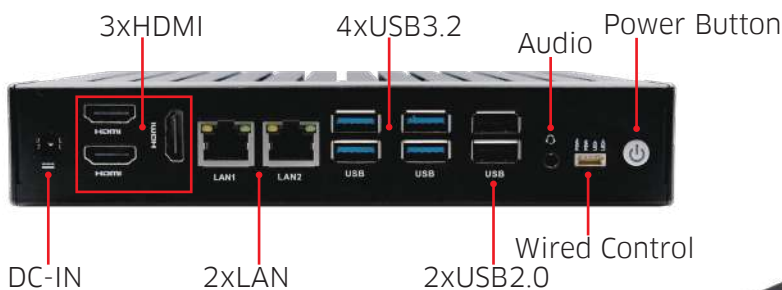
H/W Monitor



Watchdog



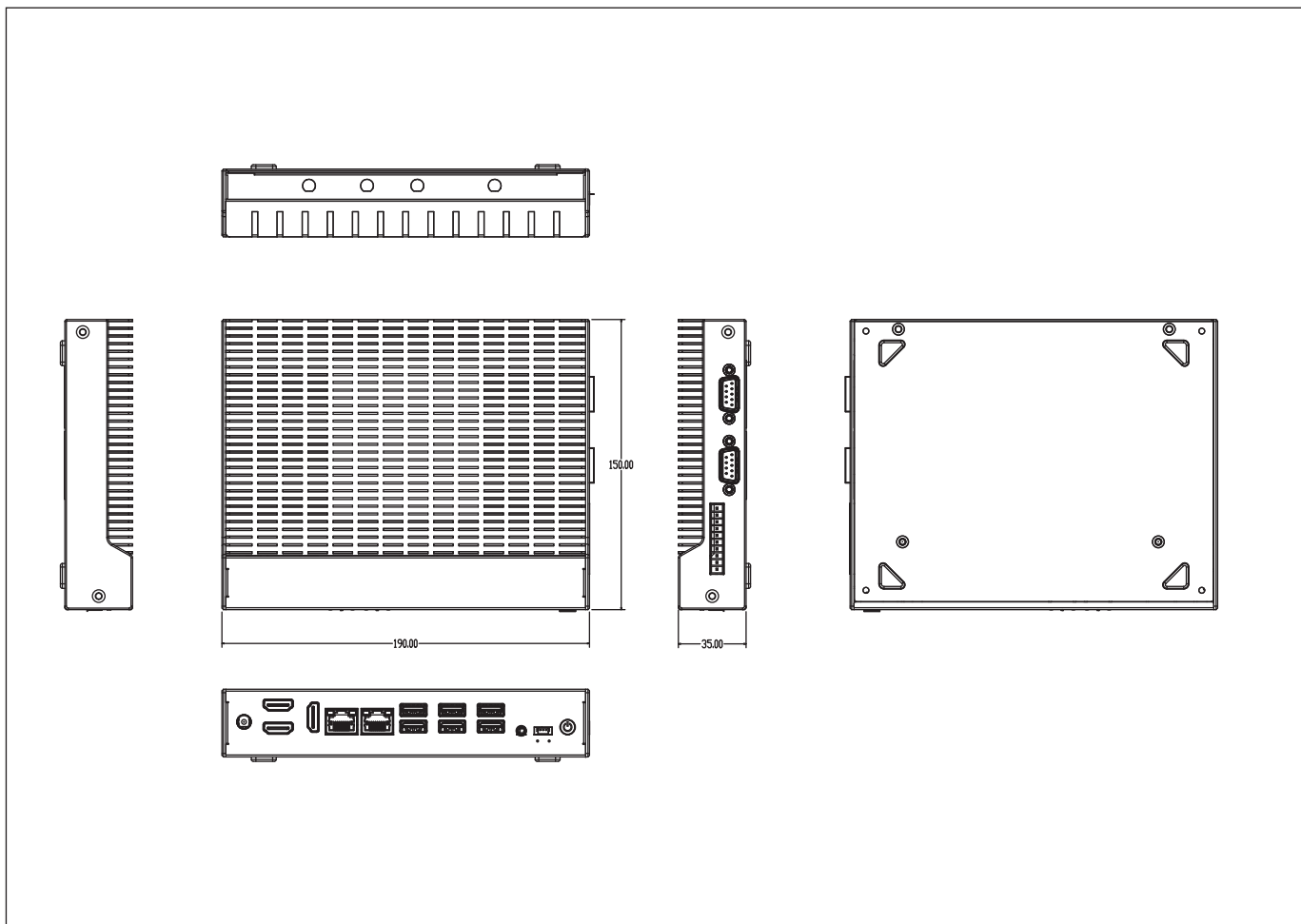
I/O Interfaces



Technical Specifications

Processor	Intel® Processor	N97	Core i3-N305
	Total Cores/Threads	4C	8C/8T
	Max Turbo Frequency	3.60GHz	3.80GHz
	Intel® Smart Cache	6MB	6MB
	Processor Base Power	12W	15W
Memory	BIOS	AMI UEFI BIOS	
	Type	Single Channel SO-DIMM DDR4	
	Max. Capacity	32GB	
Display	Graphics	Integrated Intel® UHD Graphics depends on the CPU.	
	Display via	3x HDMI2.0	
	Max. Displays	Three Screens for Mutiple Displays	
Ethernet		HDMI Hot-Plug Lock	
	Max. Speed	10/100/1000	
	Controller	RTL8111H	
	Interface	2x RJ45	
Audio	Wake on LAN	Yes	
	Audio Codec	High Definition Audio Codec. Realtek ALC897	
Storage	Interface	1x CTIA 2 in 1 Audio Jack	
	M.2_S	1x M.2_2242/2280 Key_M Slot for SATA/NVMe PCIe X1 SSD	
	M.2_SW5G	1x M.2_2242/2280 Key_B Slot for SATA/NVMe PCIe X1 SSD or 4G Module	
Expansion	M.2_E	1x M.2_2230 Slot for Wi-Fi, support PCIe and USB.	
	Nano SIM	1x Nano SIM	
Other I/O	COM	2x COM(RS232 by default, RS485 optional)	
	USB2.0	2	
	USB3.2	4	
	GPIO	8-bit	
	Wired Control	1	
	TPM	Onboard, optional	
Real Time Clock	RTC	Support RTC set up, independently for each day of the week.	
Dimension	Size	190mm x 150mm x 35mm	
Weight	N.W.	TBD	
Power	Standard Port	12V/19V DC-IN (9-35V optional).	
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	

Dimension (in mm)



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