

IXALN-35

Intel® Alder Lake-N Series based Embedded Fanless Industrial PC



Features

- CPU: Intel® Alder Lake-N Series Processor
- Memory: Single Channel SO-DIMM DDR4 up to 16 GB
- Display: Intel Integrated Graphics, display via HDMI+DP
- Ethernet: 10/100/1000Mbps
- Storage: SATA3.0, mSATA
- Expansion: M.2 for WiFi
- Power: 12V-35V DC input, Phoenix input optional



Introduction

The Maxtang IXALN-35 is a compact, embedded industrial PC powered by the Intel® Alder Lake-N series processor. It supports up to 4Cores 4Threads, 6M Cache, and 3.60GHz for Max Turbo frequency. Equipped 1xSO-DIMM DDR4 max to 16GB memory and a TDP rate of 6W-12W for energy saving. A rich I/O interface includes HDMI, DP, two RJ45 gigabit network controllers, six serial ports (default 4*RS232+2*RS485), and eight USB ports that suit most market requirements.

The IXALN-35 includes a comprehensive I/O interface for easy integration and a ruggedized design for harsh environments. It has a long-lasting life cycle based on its stability and reliability. It is made with an aluminum enclosure that contains a fanless structure intended to protect internal components from dust and debris in a harsh industrial environment.

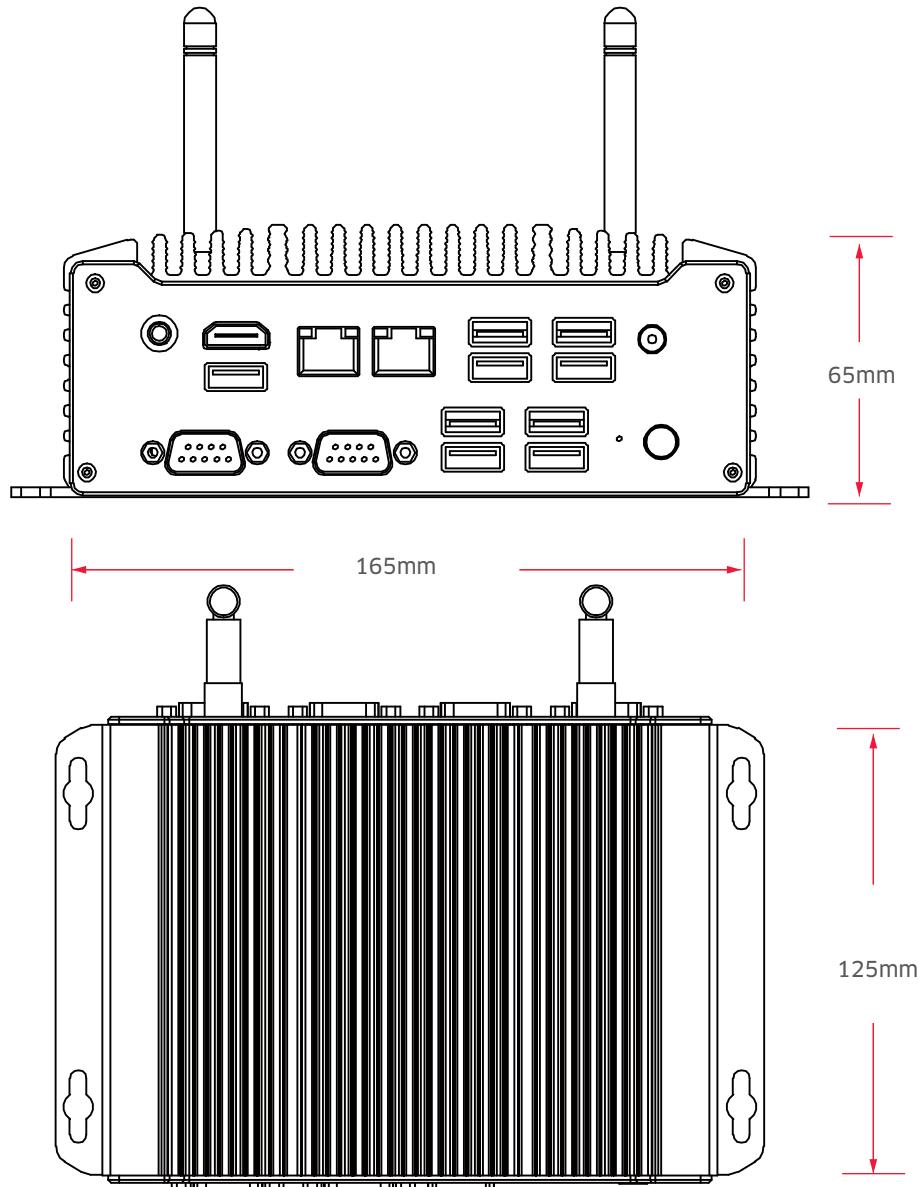
I/O Interfaces



Technical Specifications

Processor	CPU	N100	N97
	Total Cores/Threads	4C/4T	4C
	Max Turbo Frequency	3.40GHz	3.60GHz
	Intel® Smart Cache	6MB	6MB
	TDP	6W	12W
	BIOS	AMI UEFI BIOS	
Memory	Type	Single Channel SO-DIMM DDR4	
	Max Capacity	16GB	
Display	GPU	Integrated Intel® UHD Graphics	
	Display via	1xHDMI2.0 + 1xDP	
Ethernet	Speed	10/100/1000Mbps	
	Controller	2x Intel i210	
	Interface	2x RJ45	
	Wake on LAN	Yes	
Audio	Audio Codec	Realtek HD	
	Interface	1xCTIA 2-in-1 Audio Jack	
Hardware		System temperature, Onboard voltage, Watchdog, Auto power on	
Storage	mSATA	1x mSATA for SSD/4G Module	
	SATA	1x SATA3.0 for 2.5-inch HDD	
Expansion	M.2	1x M.2_E for Wi-Fi, support Intel® Integrated Connectivity (CNVi)	
I/O Interface	COM	6xCOM: default 4*RS232+2*RS485(COM5,COM6), optional 6*RS232.	
	USB2.0	4x USB2.0	
	USB3.0	4x USB3.2	
	GPIO	8-bit	
	Wired Control	1	
Dimension	Size	165mm x 125mm x 65mm	
Power	Standard Input	12V-35V DC-IN	
	Phoenix Input	Phoenix input optional	
	Peripheral Input	For Fan and SATA	
	LED Indicator	Power indicator	
Temperature	Operating Temp.	-20°C to 60°C	
	Storage Temp.	-40°C to 80°C	
Cooling		Passive	
Operating System		Win10/11 64bit, Linux 64 bit	

Dimensions



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