

DXAL-10

Intel® Alder Lake-U series Processor based Fanless Industrial PC with 6COM



Features

- CPU: Intel® Alder Lake-U Series Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 64GB
- Display via: Intel® Integrated Graphics via 4xHDMI2.0
- I/O Ports: 4xUSB3.2, 4xUSB2.0, 2xLAN, 6xCOM
- Ethernet: 10/100/1000/2500Mbps
- Storage: SATA3.0, M.2 for NVMe SSD
- Dimension: 255mm x 220mm x 60mm
- Power: 19V DC-in



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Introduction

The Maxtang DXAL10 is a reliable and powerful industrial computer designed for use in complex industrial environments. Equipped with the latest Intel® Alder Lake U series processors. The pc supports up to 64GB of dual-channel SO-DIMM DDR4 memory and features up to 4 HDMI2.0 ports, allowing for multiple displays. Its versatile I/O array and flexible expansion capacity make it well-suited for a wide range of industrial automation applications, including vision inspection, motion control, and surveillance.

One of the key advantages of the DXAL10 is its fanless construction. This design not only overcomes contaminant and noise challenges presented by harsh IA environments but also eliminates problematic structural elements that negatively affect MTBF. As a result, the platform has a longer lifecycle expectancy than other industrial PCs, with a robust design that is similar to other Maxtang industrial product lines at a cost-effective price point. Overall, the Maxtang DXAL10 is an ideal computing platform for industrial automation applications that demand both reliability and high performance.

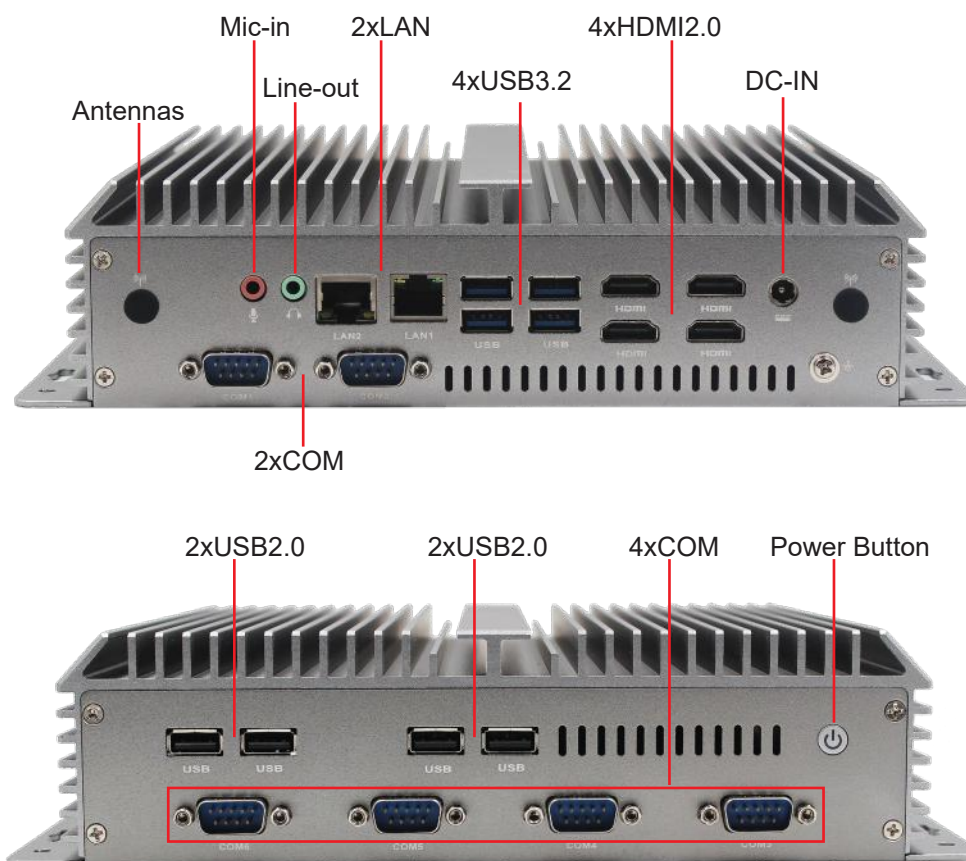


H/W Monitor



Watchdog

I/O Interfaces

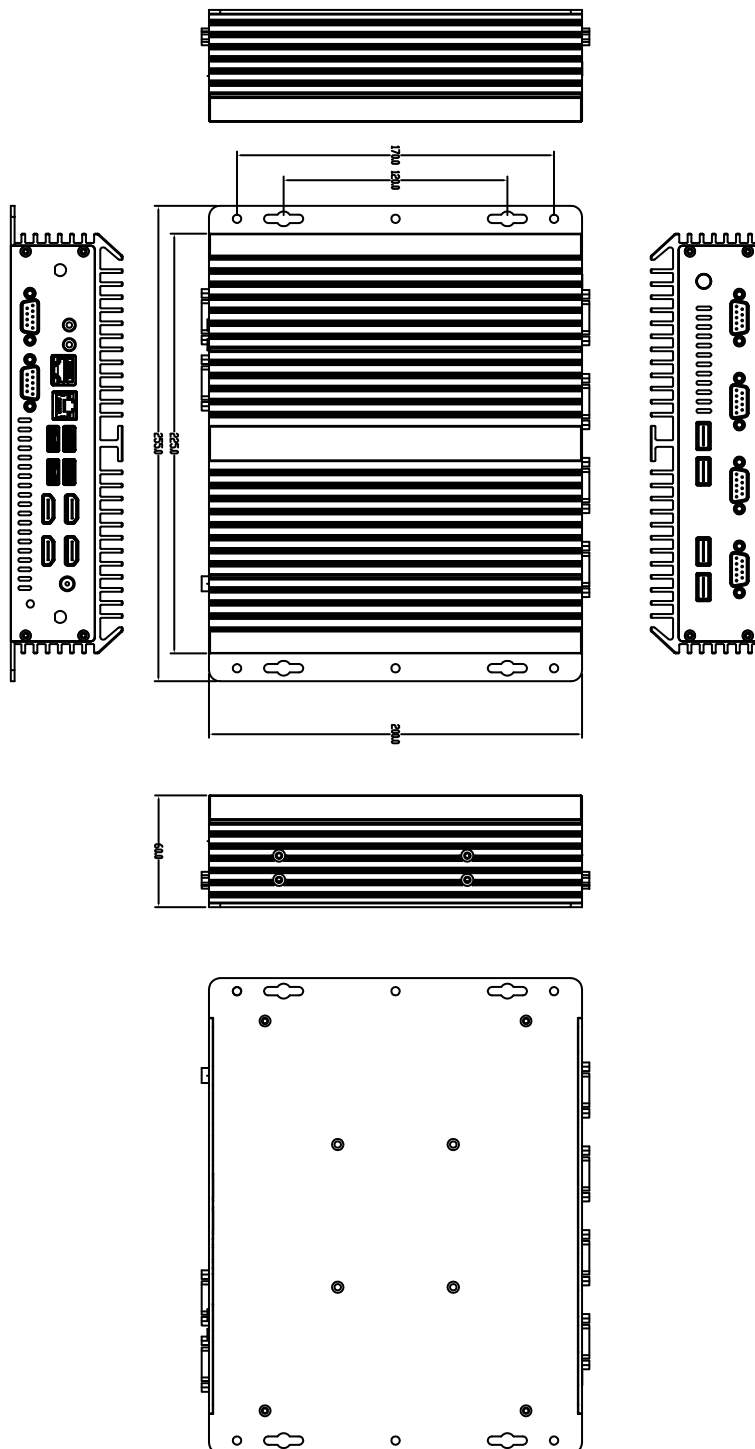


Technical Specifications

Processor	Alder Lake U Series	i5-1235U	i3-1215U
	Total Cores/Threads	10C/12T	6C/8T
	# of Performance-cores	2	2
	# of Efficient-cores	8	4
	P-core Max Turbo Frequency	4.40 GHz	4.40 GHz
	E-core Max Turbo Frequency	3.30 GHz	3.30 GHz
	Cache	12 MB	10 MB
	Processor base Power	15 W	15 W
	BIOS	AMI UEFI BIOS	
	Memory	Type	Dual Channel SO-DIMM DDR4
Max.Capacity		64GB	
Display	GPU	Intel Iris® Xe Graphics eligible/UHD Graphics depends on CPU	
	Interface	4x HDMI2.0	
Ethernet	Controller	1x Intel i225/226 Data Rate Per Port: 2.5GbE	
		1x Intel i219 Data Rate Per Port: 1.0GbE	
	Interface	2x RJ45	
	Wake on LAN	Yes	
Audio	Audio Codec	Realtek HD	
	Interface	1x Line-out, 1x Mic-in	
Hardware	CPU system temperature, onboard voltage, watchdog, and auto power on		
Storage	M.2	1x M.2 for 2280 NVMe SSD	
	SATA	1x SATA3.0	
Expansion	M.2	1x M.2 for WiFi, support Intel® Integrated Connectivity (CNVi)	
Other I/O	COM	6*RS232(default) or 5*RS232+1*RS485(COM1)	
	USB3.2	4	
	USB2.0	4	
Dimension	Size	255mm x 200mm x 60mm	
	Cooling	Passive	
Power	Standard Port	19V DC-in	
	Operating Temp.	-20°C ~60°C	
	Storage Temp.	-40°C ~80°C	
Operating System	Win10/11 64 bit, Linux 64 bit		

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

Dimension



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