DXALN-10

Intel® Alder Lake-N Series Processor based Fanless Industrial PC with 6COM

Features

- CPU: Intel® Alder Lake-N Series N100 Processor
- Memory: Single Channel SO-DIMM DDR4 up to 16GB
- Display via: Integrated Graphics via DP, HDMI
- I/O Ports: 2xUSB3.2, 6xUSB2.0. 2xLAN, 6xCOM
- Ethernet: 10/100/1000/2500Mbps
- Storage: SATA, M.2 for SSD
- Dimension: 255mm x 220mm x 60mm
- Power: 12V/19V DC-in

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Introduction

Maxtang's DXALN-10 fanless embedded industrial PC incorporating the Intel® Alder Lake-N Series N100 processor supports dual displays via HDMI2.0 plus DP, optimizing easy maintenance in complex industrial environments. The DXALN-10 supports single-channel SO-DIMM DDR4 memory of up to 16GB for more powerful computing performance. Along with a versatile I/O array and flexible expansion capacity, it fully satisfies all the needs of industrial automation with the performance demanded by vision inspection, motion control, and surveillance applications.

The Fanless construction not only overcomes contaminant and noise challenges presented by harsh IA environments, the elimination of problematic structural elements that negatively affect MTBF greatly increases lifecycle expectations for the platform. The DX series retains the robust design of all other Maxtang industrial product lines at a new extremely cost-effective price point for high performance.
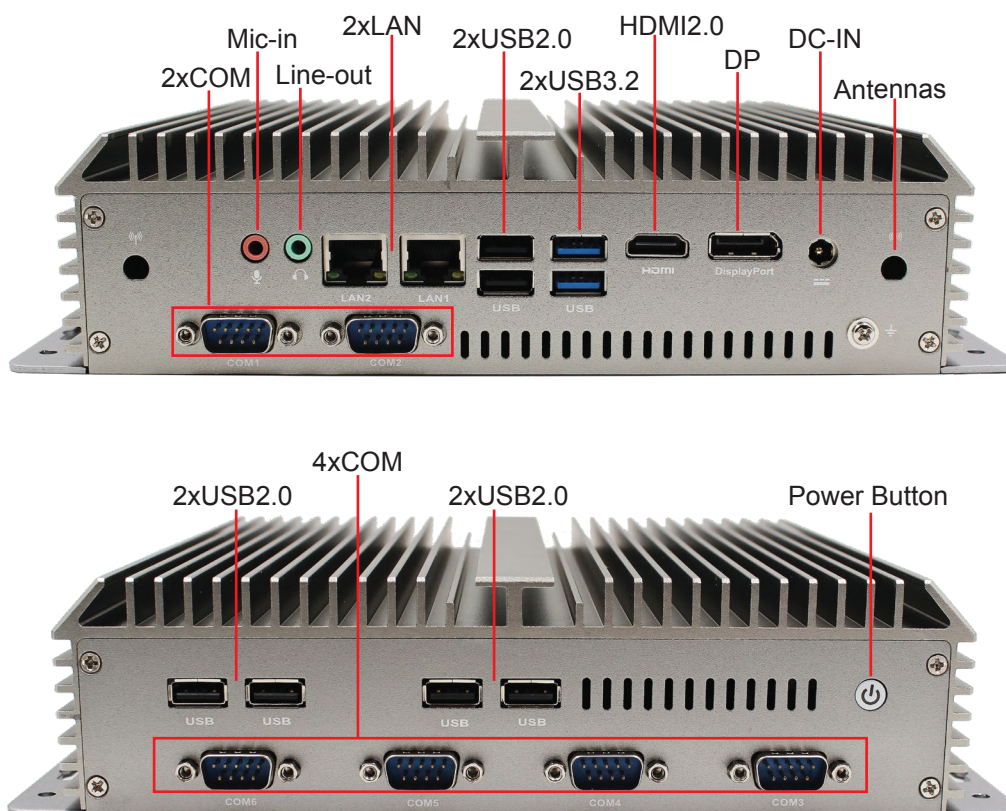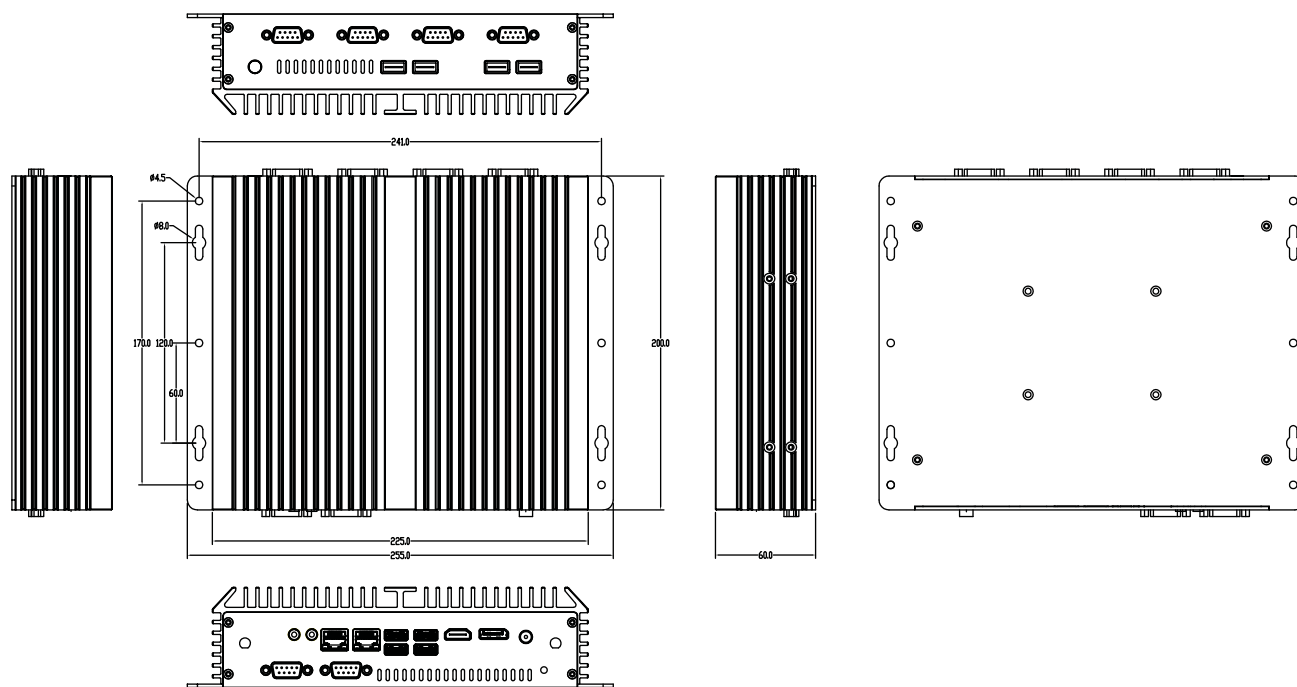
H/W Monitor   Watchdog

I/O Interfaces

2xCOM Mic-in 2xLAN 2xUSB2.0 HDMI2.0 DC-IN
Line-out 2xUSB3.2 DP Antennas

2xUSB2.0 4xCOM 2xUSB2.0 Power Button

Technical Specifications

Processor	CPU	N100	N97
	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	Intel® UHD Graphics	
	Display via	1xHDMI + 1xDP	
Ethernet	Speed	10/100/1000/2500Mbps	
	Controller	Intel i226	
	Interface	2x RJ45	
Audio	Audio Codec	Realtek HD	
	Interface	Line-out, Mic-in	
Storage	SATA	1	
	M.2	1x M.2 for SATA SSD, optional 4G module	
Expansion	M.2	1x M.2 for WiFi, support Intel® Integrated Connectivity (CNVi)	
	SIM	Optional	
I/O Interface	LAN	2	
	COM	6x RS232 (Optional RS485 for COM_2)	
	USB3.2	2	
	USB2.0	6	
	Audio	1×Line-out, 1×Mic-in	
	TPM2.0	Onboard, optional	
Dimension	Size	255mm x 200mm x 60mm	
Power	Standard Port	12V/19V DC-in	
Temperature	Operating Temp.	-20℃ to 60℃	
	Storage Temp.	-40℃ to 80℃	
Cooling Method		Passive	
Operating System		Win10/11 64bit, Linux 64bit	

Dimension(mm)

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