PRODUCT DATASHEET
HW Rev.: V0.5

DXALN-10

Intel® Twin Lake/Alder Lake-N Series

Fanless Industrial PC with 6COM



Features

- CPU: Intel® Twin Lake/Alder Lake-N Series
- 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

intel prestige partner Builder

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

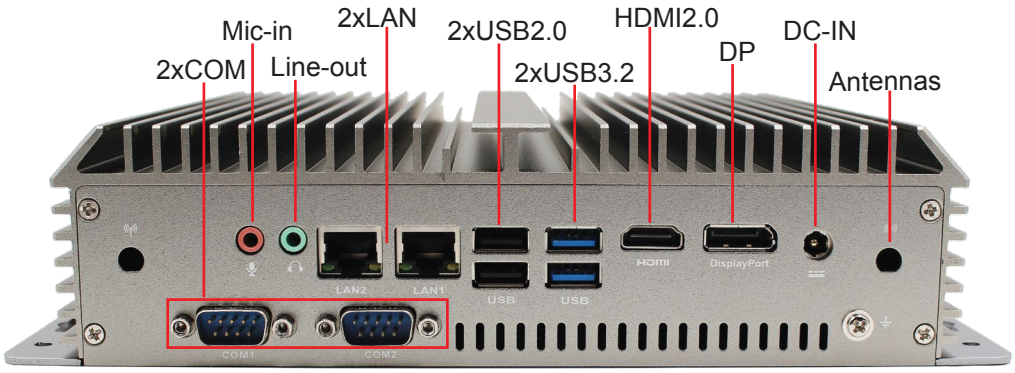
Maxtang's DXALN-10 fanless embedded industrial PC incorporating the Intel® Twin Lake/Alder Lake-N Series N100 processor supports dual displays via HDMI2.0 plus DP, optimizing easy maintenance in complex industrial environments. The DXALN-10 supports single-channel SO-DIMM DDR4 memory of up to 16GB for 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.

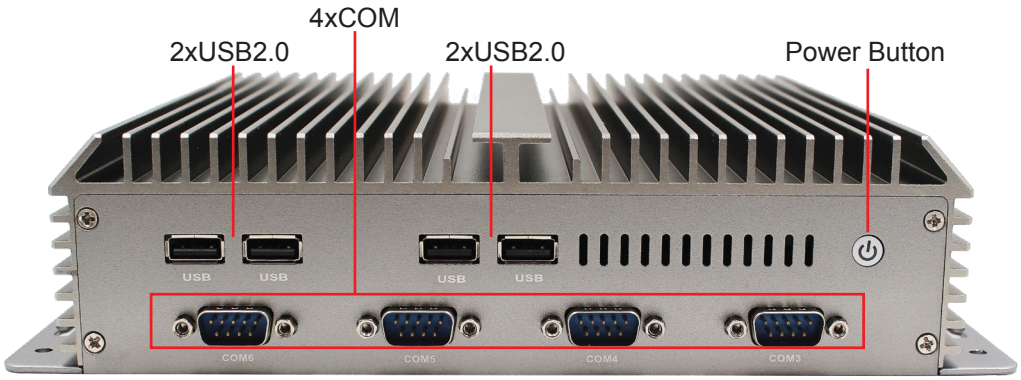
The Fanless construction not only overcomes contaminant and noise challenges presented by harsh IA environments, the elimination of problematic structural elements that negatively affect MTBF greatly increases lifecycle expectations for the platform. The DX series retains the robust design of all other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

H/W Monitor

Watchdog

I/O Interfaces



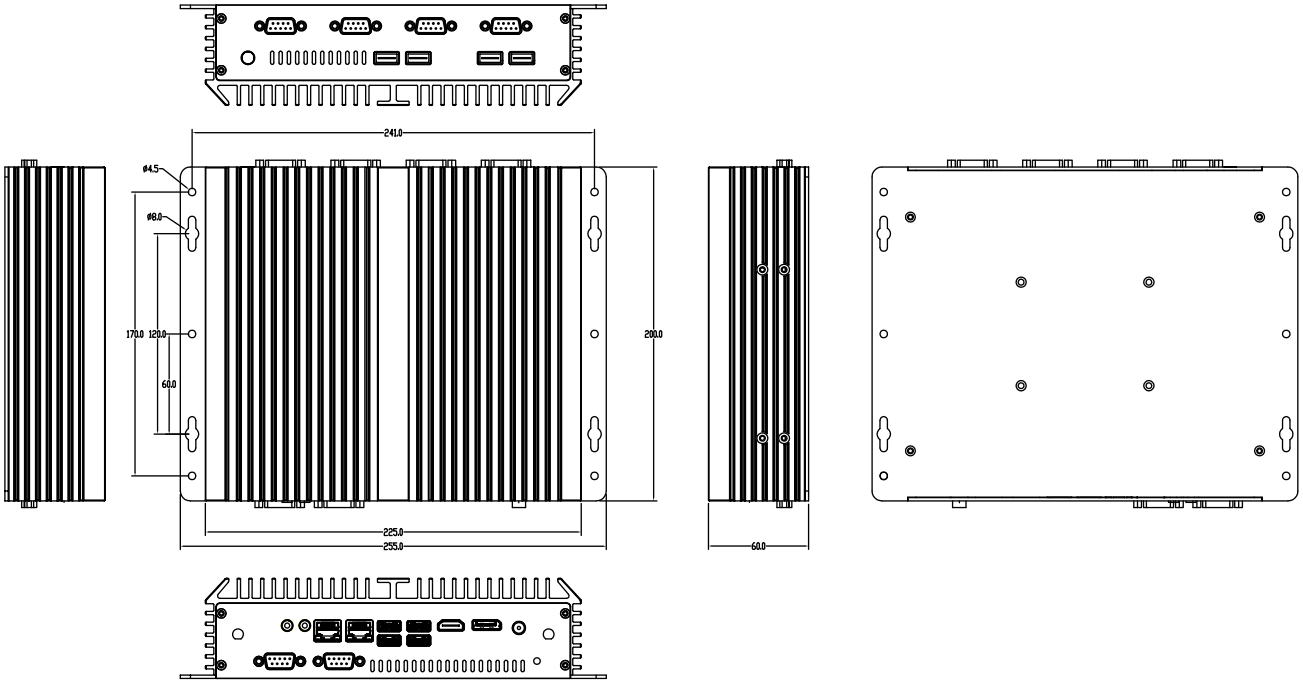


Technical Specifications

Processor	CPU	N150	N100	N97
	Cores/Threads	4C/4T	4C/4T	4C
	Max Turbo Frequency	3.60GHz	3.40GHz	3.60GHz
	Intel® Smart Cache	6MB	6MB	6MB
	TDP	6W	6W	12W
	BIOS	AMI UEFI BIOS		
Memory	Type	Single Channel SO-DIMM DDR4		
	Max. Capacity	16GB(N150/N100)/32GB(N97)		
Display	GPU	Integrated Intel® UHD Graphics		
	Display via	1xHDMI, 1xDP		
Ethernet	Speed	10/100/1000/2500Mbps		
	Controller	Intel i226		
	Interface	2 x RJ45		
Audio	Audio Codec	Realtek HD		
	Interface	1 x Line-out, 1 x Mic-in		
Storage	SATA	1 x SATA3.0		
	M.2	1 x M.2 Key B Slot for 2242 SATA SSD or 3042 4G Module		
Expansion	M.2	1 x M.2 Key E Slot for 2230 WiFi and Bluetooth, support CNVi		
	PCIe	1*PCIe x4 Slot(PCIe x2 Signal)		
	SIM	Optional		
I/O Interface	COM	6 x RS232 (Optional RS485 for COM_2)		
	USB3.2	2 x USB3.2		
	USB2.0	6 x USB2.0		
	USB Dongle	1 x USB Dongle Onboard(USB2.0)		
	TPM2.0	Onboard, optional		
Dimension	Size	255mm x 200mm x 60mm		
Power	Standard Port	12V/19V DC-in		
Temperature	Operating Temp.	-20°C to 60°C		
	Storage Temp.	-40°C to 80°C		
Cooling Method		Passive		
Operating System		Win10/11 64bit, Linux 64bit		

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

Dimension(mm)



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