

BXAL-10

Intel Alder Lake Processor based Fanless Embedded PC with 4 HDMI



Features

- CPU: Intel® Alder Lake-U series processor
- Memory: Dual channel SO-DIMM DDR4 up to 64GB
- GPU: Integrated Intel Iris® Xe /UHD Graphics via CPU
- Ethernet Controller: Intel i226 + Intel i219
- Storage: 1xM.2 for NVMe 2280 SSD, 1xSATA
- Expansion: M.2 for WiFi, PCIe 4X
- Power: 19V DC-in



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Introduction

The BXAL-10 is a compact, fanless, embedded industrial PC powered by the 12th Gen Intel Core i7/i5/i3 processor, designed for performance-demanding applications with solid protection. It provides an immersive visual experience with Intel Iris Xe or UHD Graphics through 4x HDMI2.0. It supports dual-channel SO-DIMM DDR4 up to 64GB, two RJ45 1-Gigabit Ethernet controllers, and M.2, SATA3.0 for storage. A comprehensive input/output interface includes 2xUSB2.0, 4xUSB3.2, and Mic-in+ Line-out with standard DC-in, which caters to most market requirements.

As an ideal solution for multiple display uses, it is excellent for electronic gaming machines or digital signage. This product retains the robust design of all Maxtang product lines at a new cost-effective price point. The powerful features can provide a great user experience with increased productivity, stability, and reliability.



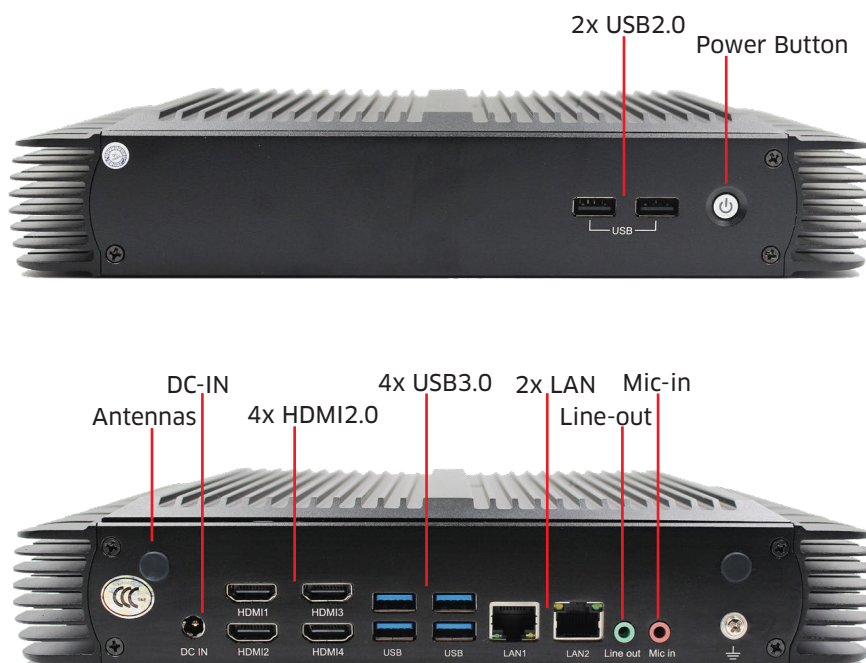
H/W Monitor



Watchdog



I/O Interfaces

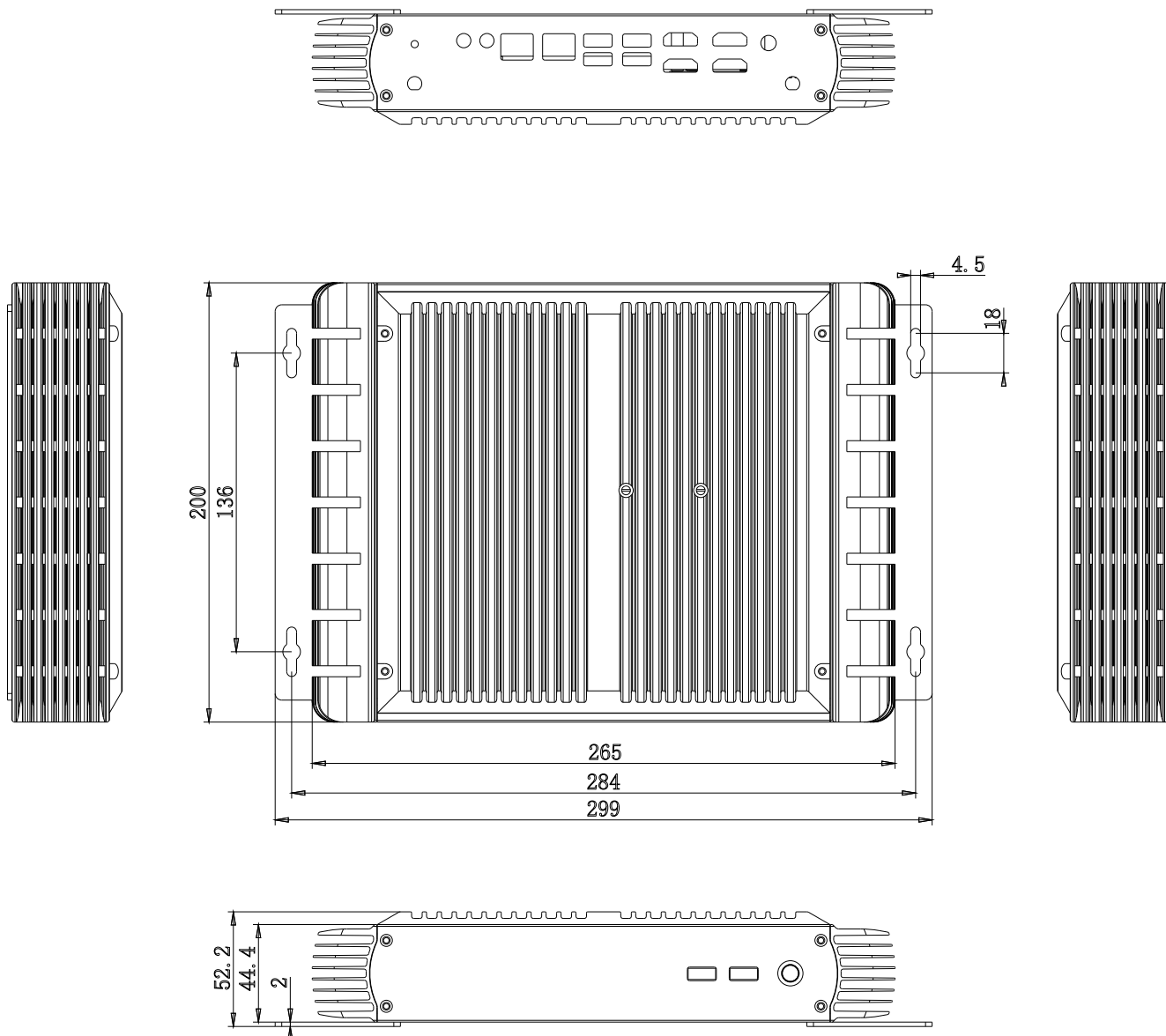


Technical Specifications

Processor	CPU	i7-1255U	i5-1235U	i3-1215U
	Total Cores/Threads	10C/12T	10C/12T	6C/8T
	P-core Max Turbo Frequency	4.70 GHz	4.40 GHz	4.40 GHz
	E-core Max Turbo Frequency	3.50 GHz	3.30 GHz	3.30 GHz
	Cache	12 MB	12 MB	10 MB
Memory	BIOS	AMI SPI BIOS		
	Type	Dual Channel SO-DIMM DDR4		
	Max Capacity	64 GB		
Display	GPU	Intel® Iris® Xe Graphics eligible/UHD Graphics depends on CPU		
	Display via	4x HDMI 2.0, 4K Resolution HD Display		
Ethernet	Controller	1x Intel® i226, 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	1xMic-in, 1xLine-out, Supports audio header and amplifier header		
Hardware		CPU System temperature, onboard voltage, watchdog		
Storage	M.2	1x M.2 for 2280 NVMe SSD		
	SATA3.0	1		
Expansion	M.2	1x M.2 for WiFi, support Intel® Integrated Connectivity(CNVi)		
	PCIe4X	1		
I/O Interface	LAN	2		
	USB 2.0	2		
	USB 3.0	4		
	DC-in	1		
	Antennas	2		
	Power Button	1		
	TPM2.0	Onboard, optional		
	Size	299mm x 200mm x 52.2mm		
Dimension	Type	Embedded PC		
	Standard Port	19 V DC-in		
Power	Operating Temp.	-20°C to 60°C		
	Storage Temp.	-40°C to 80°C		
Cooling Method		Passive		
Operating System		Windows 10/11 64 bit, Linux 64 bit		

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

Dimension(in mm)



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