BXAL-10V1.0

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

intel prestige partner **Builder**

Maxtang®

MAXIMIZING YOUR COMPUTING PRODUCTIVITY

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.
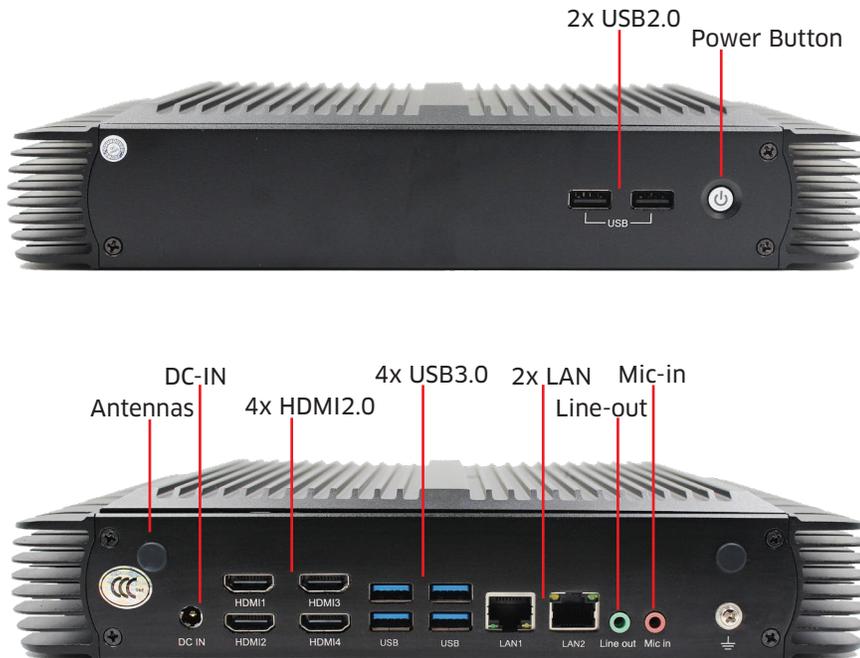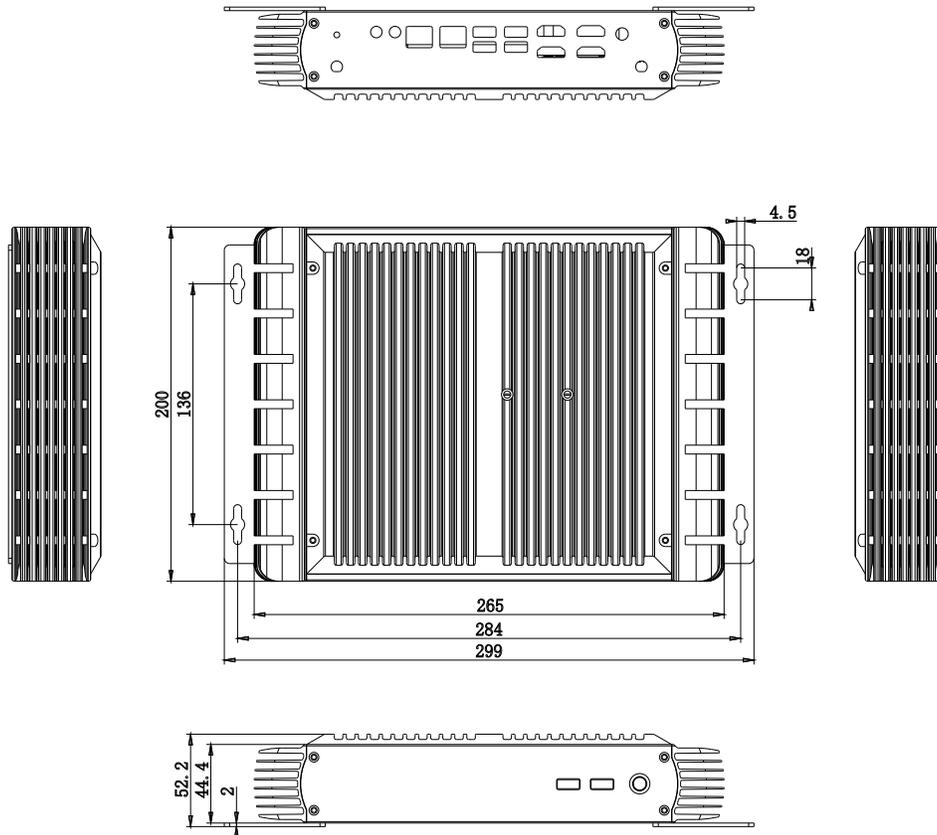
Linux™

ubuntu Linux

Windows

H/W Monitor

Watchdog

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

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
	BIOS	AMI SPI BIOS			
Memory	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			
Dimension	Size	299mm x 200mm x 52.2mm			
	Type	Embedded PC			
Power	Standard Port	19 V DC-in			
Temperature	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)

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

SHENZHEN MAXTANG COMPUTER CO., LTD.
303, 3/F, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, 518133 China
Tel.: +86 755 86143003 I Fax: +86 755 86143003 I info@datangpc.com

www.maxtangpc.com