VHEHL-30

Intel Elkhart Lake J6412 Processor based Fanless
Mini PC with 3HDMI2.0 for Display

Features

- CPU: Intel Elkhart Lake J6412 Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 32GB
- Display via: Intel Integrated Graphics display via 3xHDMI2.0
- I/O Ports: 2xLAN, 1xCOM, 2xUSB3.2, 4xUSB2.0, Type-C, SIM
- Ethernet: 10/100/1000Mbps
- Storage: 2xM.2 for SSD
- Power: 12V DC-in/12V~30V Optional

(intel®) IoT Solutions Alliance
Industrial Solution Builders Specialist

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Introduction

Maxtang's VHEHL-30 embedded mini-PC incorporated the Intel Elkhart Lake processors, offering you greater computing power with cost advantages. Dual-channel SO-DIMM DDR4 up to 32GB for its memory, multiple displays via 3xHDMI2.0. A rich i/o interface includes 2xLAN, 2xUSB3.2, and 4xUSB2.0, and 1xCOM meets most market's requirements. It provides an excellent customer experience, a long-lasting life expectancy for future development.

It bases on a small form factor which is great for space-saving. This PC supports VESA mounting, 2xM.2 for storage, additional M.2 for Wi-Fi, and SIM slot for expansion, and is desktop ready for easy installation. It builds with advanced cooling construction, overcomes noise challenges, and can be a great fit for various applications.

Linux™

ubuntu
Linux

Windows

H/W Monitor   Watchdog

GPIO   Brightness

I/O Interfaces

Type-C   2xUSB3.2   SIM

Mic-in
Line-out   COM

Antennas   3xHDMI2.0   4xUSB2.0   2xLAN   DC-in

Technical Specifications

Processor	CPU	J6412
	Base Frequency	2.00GHz
	Burst Frequency	2.60GHz
	Cache	1.5MB L2
	TDP	10W
Memory	Type	Dual Channel SO-DIMM DDR4
	Max. Capacity	32GB
Display	GPU	Intel® UHD Graphics for 10th Gen Intel® Processors
	Display via	HDMI2.0
Ethernet	Speed	10/100/1000 Mbps
	Controller	RTL8111H
	Interface	RJ45
	Wake on LAN	Yes
Audio	Audio Codec	Realtek HD
	Interface	1x Line-out+1x Mic-in
Storage	M.2	1xM.2 for 2280 NVMe SSD (PCIe 2X signal)
	M.2	1xM.2 for 2242/2280 SATA SSD or 4G
Expansion	M.2	1x M.2 for WiFi
	SIM	1
I/O	LAN	2
	COM	1x RS232 Default, COM1 RS422/485 Optional
	USB2.0	4
	USB3.2	2
	Type-C	1
	HDMI2.0	3
	TPM	Onboard, optional
Dimension	Size	191 mm x 151mm x 34 mm
Weight	N.W.	TBD
Power	Standard Port	12V DC-in /12V~30V optional
Temperature	Operating Temp.	- 20°C to 60°C
	Storage Temp.	- 40°C to 80°C
Cooling Method		Passive
Operating System		Windows 10/11 64bit, Linux 64bit

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

Dimension（in mm）

191 mm

151 mm

34 mm

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