VHWL-30

Intel® Whiskey Lake-U/Comet Lake-U Processor based Fanless Mini PC

Features

- CPU: Intel® Whiskey Lake U/Comet Lake U Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 64GB
- Display: Intel® Integrated Graphics display via HDMI+DP+mini HDMI
- I/O Ports: 2xLAN, 1xCOM, 2xUSB3.2, 4xUSB2.0, SIM Slot
- Ethernet: 10/100/1000Mbps
- Storage: 1xM.2_2280 for NVMe SSD, 1xM.2_2242 SATA SSD/4G
- Power: 19V DC-in

intel **prestige partner** Builder

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Introduction

The Maxtang VHWL-30 embedded mini-PC, featuring Intel® Whiskey Lake-U/Comet Lake-U processors, offers enhanced computing power at a cost-effective price. It supports dual-channel SO-DIMM DDR4 memory up to 64GB and allows for multiple display outputs via HDMI, DP, and mini HDMI. The rich I/O interface includes 2x LAN, 2x USB 3.2, and 4x USB 2.0 ports, with an RS232 COM port to meet most market requirements. This system delivers an excellent user experience with long-term reliability, ensuring it is future-proof for ongoing development.

Designed with a compact form factor, as its name suggests, the VHWL-30 supports VESA mounting, features an M.2 slot for Wi-Fi, and includes a SIM slot for expansion. Its desktop-ready design makes installation easy, ideal for saving space. Built with advanced cooling technology, it operates quietly, making it a perfect fit for a wide range of applications.
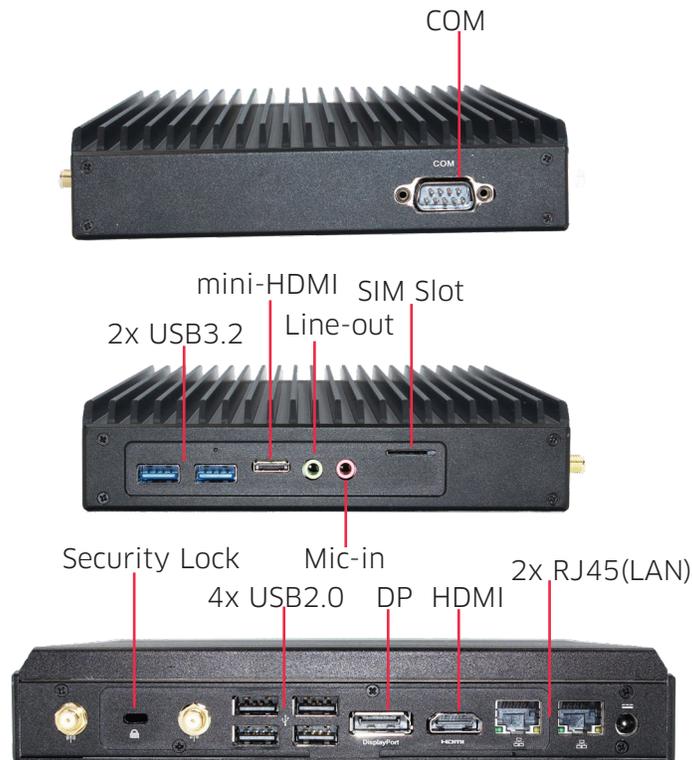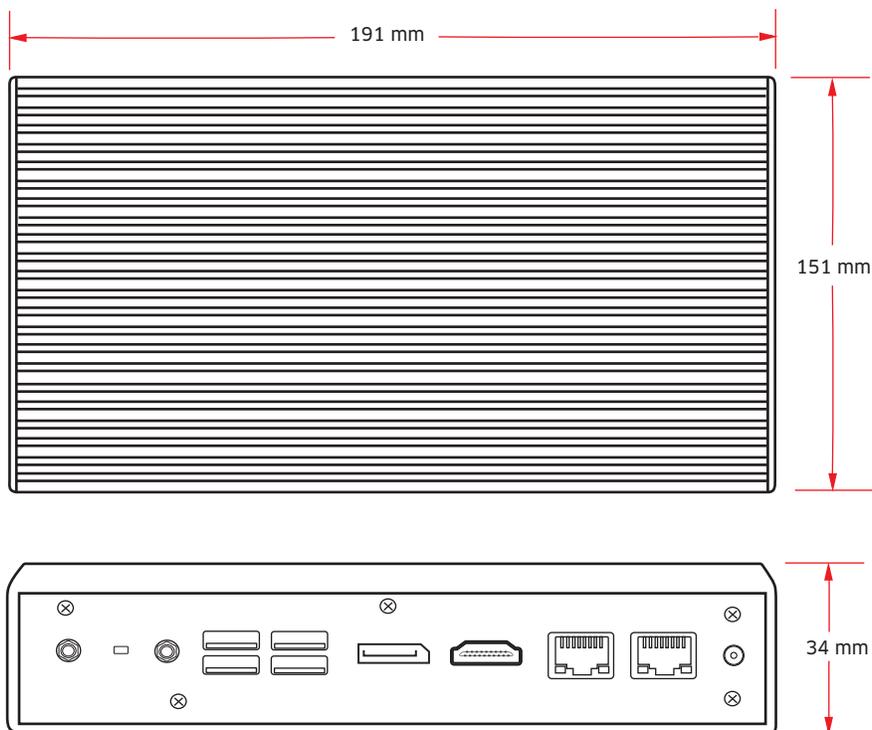
H/W Monitor Watchdog

I/O Interfaces

COM

mini-HDMI SIM Slot
2x USB3.2 Line-out

Security Lock Mic-in
4x USB2.0 DP HDMI 2x RJ45(LAN)

Technical Specifications

Processor	CPU	i5-10210U	i3-10110U	i3-8145U	Celeron 4205U
	Total Cores/Threads	4C/8T	2C/4T	2C/4T	2C/2T
	Max. Turbo Frequency	4.20GHz	4.10GHz	3.90GHz	/
	Base Frequency	1.60GHz	2.10GHz	2.10GHz	1.8GHz
	Intel® Smart Cache	6MB	4MB	4MB	2MB
	TDP	15W	15W	15W	15W
	BIOS	AMI UFI BIOS			
Memory	Type	Dual Channel SO-DIMM DDR4			
	Max. Capacity	64GB			
Display	GPU	Intel® Integrated Graphics based on CPU			
	Display via	1xHDMI®+1xDP+1x mini-HDMI			
Ethernet	Speed	10/100/1000 Mbps			
	Controller	Intel® i210+Intel® i219			
	Interface	2xRJ45 LAN			
	Wake on LAN	Yes			
Audio	Audio Codec	Realtek HD			
	Interface	1xLine-out, 1xMic-in			
Storage	M.2_M	1xM.2_2280 Slot for NVMe SSD			
	M.2_B	1xM.2_2242 Slot for SATA SSD/4G Module			
Expansion	M.2_E	1xM.2_2230 Slot for Wi-Fi and Bluetooth			
	SIM	1xMicro SIM Slot			
I/O	COM	1xRS232			
	USB2.0	4			
	USB3.2	2			
	TPM	Onboard, optional			
Dimension	Size	191 mm x 151mm x 34 mm			
Weight	N.W.	TBD			
Power	Standard Port	19V DC-in			
Temperature	Operating Temp.	- 20℃ to 60℃			
	Storage Temp.	- 40℃ to 80℃			
Cooling Method		Passive			
Operating System		Windows 10 64bit, Linux 64bit			

Dimension (in mm)

191 mm

151 mm

34 mm

SHENZHEN MAXTANG COMPUTER CO., LTD.

303, 3/F, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, China 518133

Tel.: +86 755 86143003 I Fax: +86 755 86143003 I info@datangpc.com

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www.maxtangpc.com