

# 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 via: Intel® Integrated Graphics display via HDMI, DP
- I/O Ports: 2xLAN, 1xCOM, 2xUSB3.2, 4xUSB2.0, SIM
- Ethernet: 10/100/1000Mbps
- Storage: 1xM.2 for 2280 SSD, 1xM.2 for 2242 SSD/4G
- Power: 19V DC-in



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## Introduction

Maxtang's VHWL-30 embedded mini-PC incorporated the Intel Whiskey Lake-U/Comet Lake U processor, offers you greater computing power with cost advantages. Dual-channel SO-DIMM DDR4 up to 64GB for its memory, multiple displays via HDMI, DP, and mini HDMI. A rich i/o interface includes 2xLAN, 2xUSB3.2, and 4xUSB2.0, and COM optional meets most market's requirements. It provides an excellent customer experience, a long-lasting life expectancy for future development.

Based on a small form factor, as its name states, it is great for space-saving. It supports VESA mounting, has an 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.



H/W Monitor



Watchdog



GPIO



Brightness



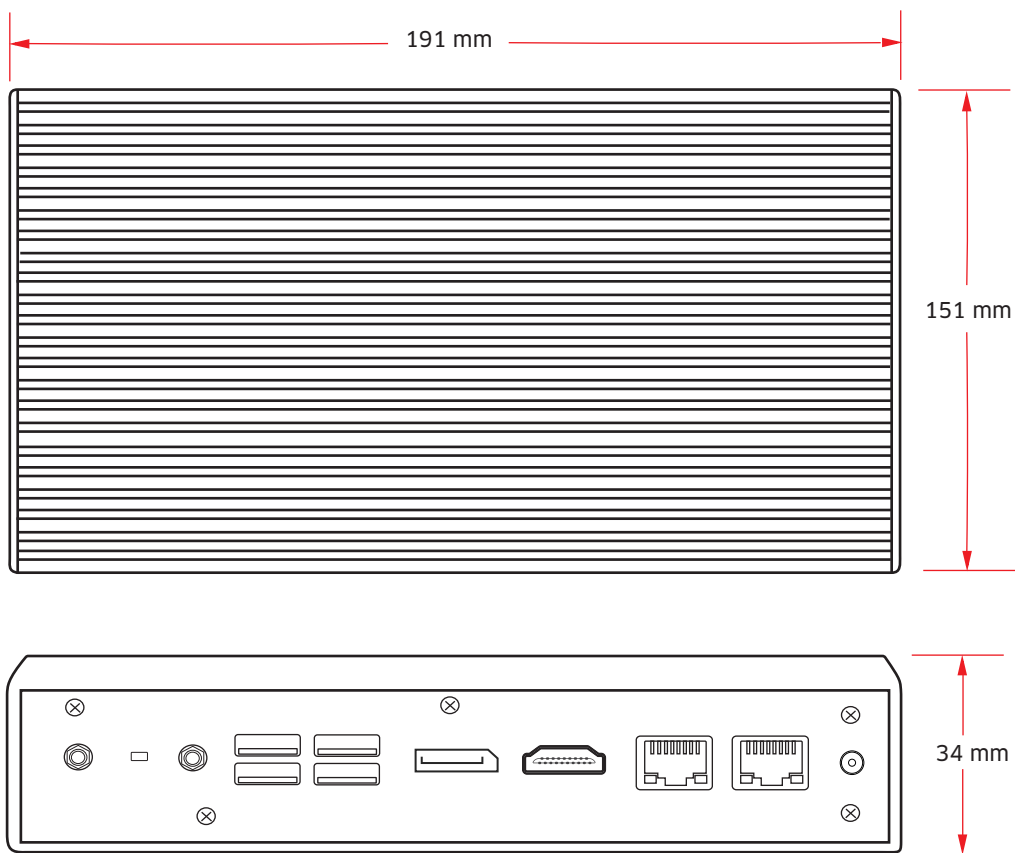
## I/O Interfaces



## Technical Specifications

Processor	Comet Lake U	i5-10210U	i3-10110U
	Base Frequency	1.6 GHz	2.1GHz
	Turbo Frequency	4.2 GHz	4.1GHz
	Cache	6 MB	4MB
	Whiskey Lake U	i3-8145U	Celeron 4205U
	Base Frequency	2.1GHz	1.8GHz
	Turbo Frequency	3.9GHz	/
	Cache	4MB	2MB
	TDP	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	
Audio	Wake on LAN	Yes	
	Audio Codec	Realtek HD	
Storage	Interface	1x Line-out+1x Mic-in	
	M.2	1xM.2 for 2280 SSD 1xM.2 for 2242 SSD/4G	
Expansion	M.2	1x M.2 for WiFi	
	SIM	1	
I/O	COM	1xRS232 Optional	
	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°C to 60°C	
	Storage Temp.	- 40°C to 80°C	
Cooling Method		Passive	
Operating System		Windows 10 64bit, Linux 64bit	

Dimension (in mm)



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