

# VAPL-30

Intel Apollo Lake Processors based Fanless  
Embedded Mini PC



## Features

- CPU: Intel Apollo Lake Processors
- Memory: 2x SO-DIMM DDR3L up to 8GB
- Display via: Intel HD Graphics display via 2xHDMI, 1xDP
- I/O Ports: 3xLAN, 2xCOM, 2xUSB3.2, 4xUSB2.0.
- Ethernet: 10/100/1000Mbps
- Storage: SATA, mSATA, eMMC Optional
- Power: 12V/19V DC-in



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## Introduction

The VAPL-30 is a small form factor embedded fanless PC based on the Apollo Lake platform. It supports Intel® Celeron™ J3355, J3455, N3450, and Pentium J4205 for better performance with cost advantages. The PC carries 2 SO-DIMM DDR3L memories up to 8GB to add higher bandwidth, lower latencies for processes. It features Intel Integrated graphic display via 2×HDMI and 1×DP, supports multiple displays with increased productivity.

A rich i/o interface includes 3xLAN, 2xCOM, 2xUSB3.2, and 4xUSB2.0 meets most market's requirements. 1x mini-PCIe for Wi-Fi, 1x SIM card slot for expansion, and desktop ready for easy installation. Its fanless construction not only overcomes noise challenges but also can be a great fit for various applications. The VAPL-30 provides an excellent customer experience, a long-lasting life expectancy for future development.



H/W Monitor



Watchdog

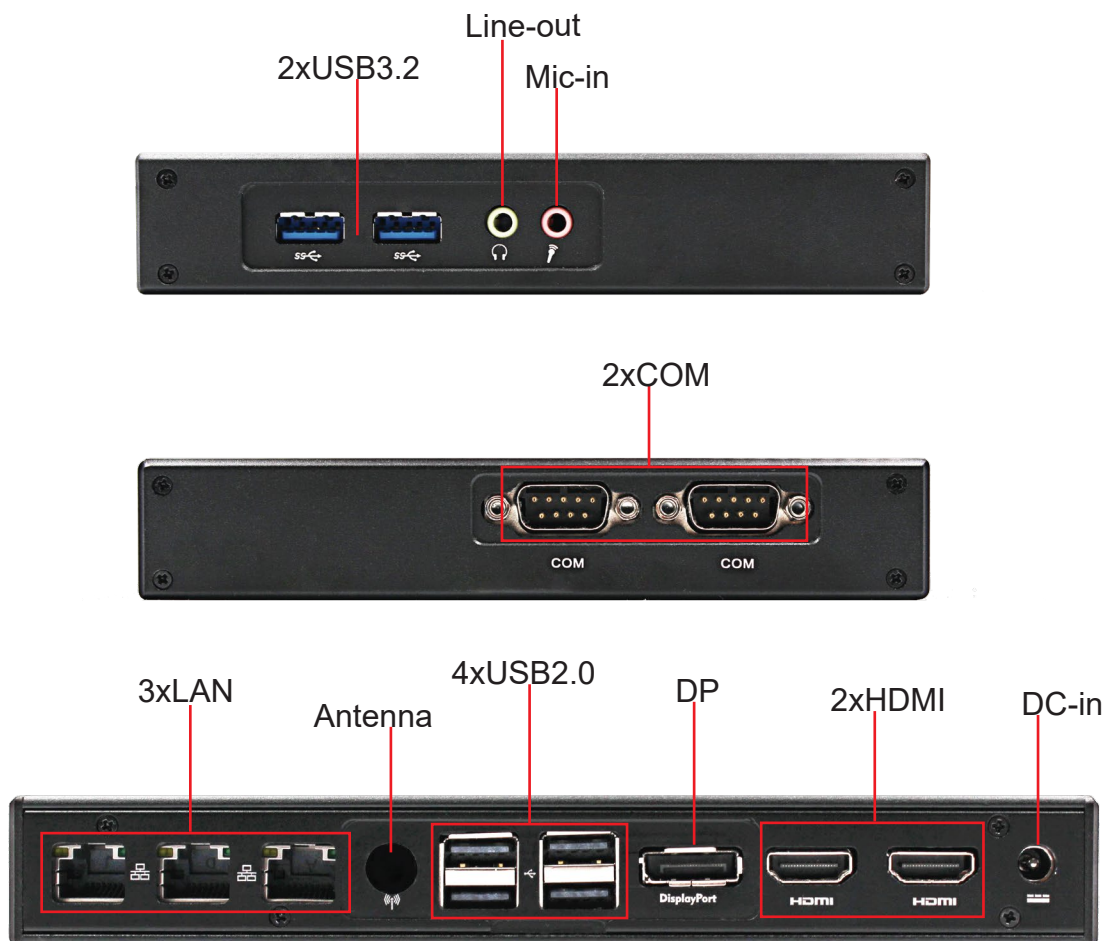


GPIO



Brightness

## I/O Interfaces

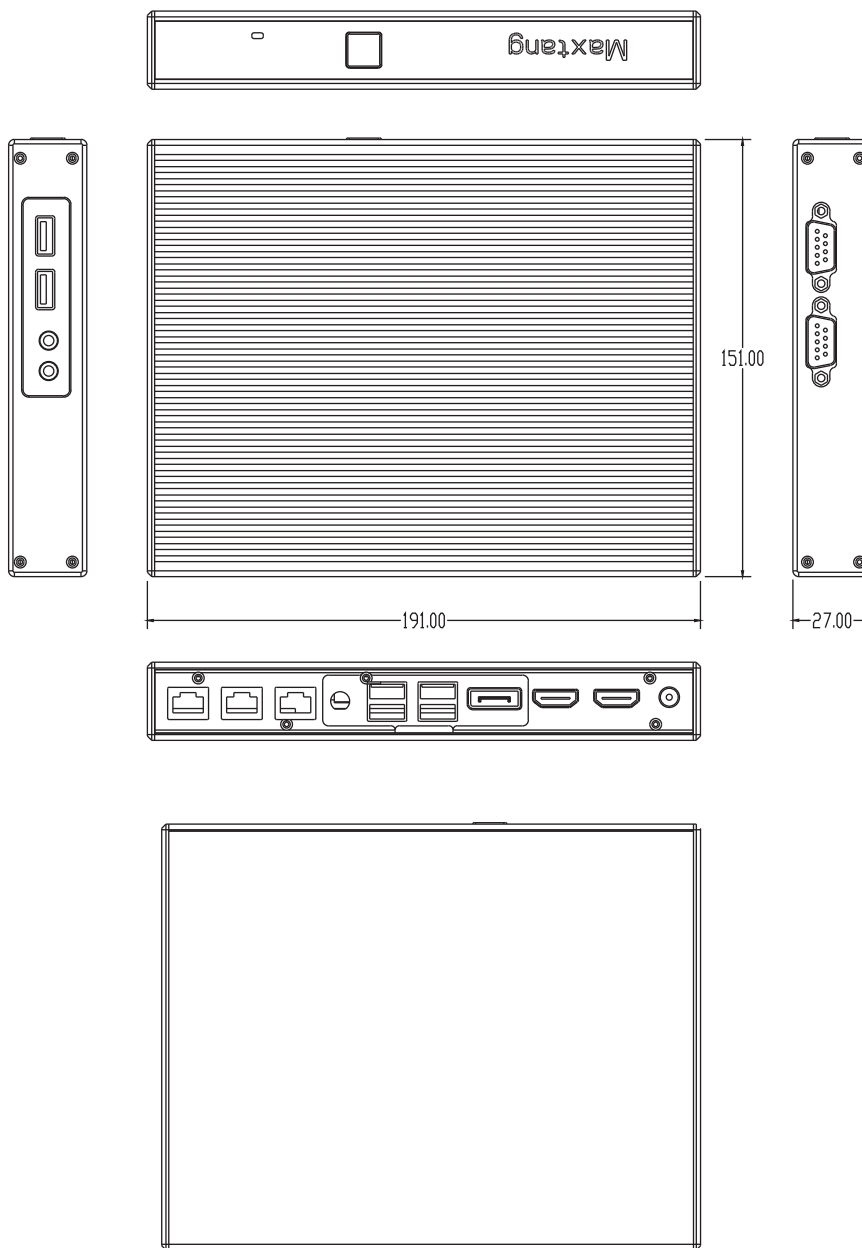


## Technical Specifications

Processor	CPU	J3355	J3455	N3450	J4205
	Core Frequency	2.00 GHz	1.50 GHz	1.10 GHz	1.50GHz
	Burst Frequency	2.50 GHz	2.30 GHz	2.40 GHz	2.60GHz
	Cache	2MB	2MB	2MB	2MB
Memory	Type	2x SO-DIMM DDR3L			
	Max. Capacity	8 GB			
Display	GPU	Intel Integrated Graphics based on CPU			
	Display via	2xHDMI+ 1xDP			
Ethernet	Speed	10/100/1000 Mbps			
	Controller	Realtek RTL8111H			
	Interface	RJ45			
	Wake on LAN	Yes			
Audio	Audio Codec	Realtek HD			
	Interface	1xLine-out, 1xMic-in			
Storage	SATA	1			
	mSATA	1			
	eMMC	Optional			
Expansion	mini-PCIe	1x mini-PCIe for WiFi			
	SIM Card Slot	1x Micro SIM Card Slot Internal			
I/O	LAN	3xLAN			
	COM	2x RS232(RS485 Optional)			
	USB2.0	4			
	USB3.2	2			
	HDMI	2			
	DP	1			
Dimension	Size	191 mm x 151mm x 27 mm			
Weight(kg)	N.W.	860g			
Power	Standard Port	12V/19 V DC-in			
Temperature	Operating Temp.	- 20°C to 60°C			
	Storage Temp.	- 20°C to 80°C			
Cooling Method		Passive			
Operating System		Windows 8/10, Linux			

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

Dimension (in mm)



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