

# VBYT-31

Intel Bay Trail Processors based Fanless  
Embedded Mini PC with 6LAN



## Features

- CPU: Intel Bay Trail Processors
- Memory: 1x SO-DIMM DDR3L up to 8GB
- Display via: Intel HD Graphics display via VGA
- I/O Ports: 6xLAN, 1x COM, 4xUSB2.0.
- Ethernet: 10/100/1000Mbps
- Storage: SATA, mSATA
- Power: 12V DC-in/9-36V Optional



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## Introduction

The VBYT-31 is a small form factor embedded fanless PC based on the Intel® Bay Trail platform. Single-channel SO-DIMM DDR3L up to 8GB to add higher bandwidth and lower latencies for processes, display via VGA. A rich i/o interface includes 6xLAN, 1xCOM and 4xUSB2.0 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 has one mini-PCIe for WiFi, one SIM card slot for expansion, and a desktop ready for easy installation. Fanless construction not only overcomes noise challenges but also can be a great fit for various applications.



H/W Monitor



Watchdog

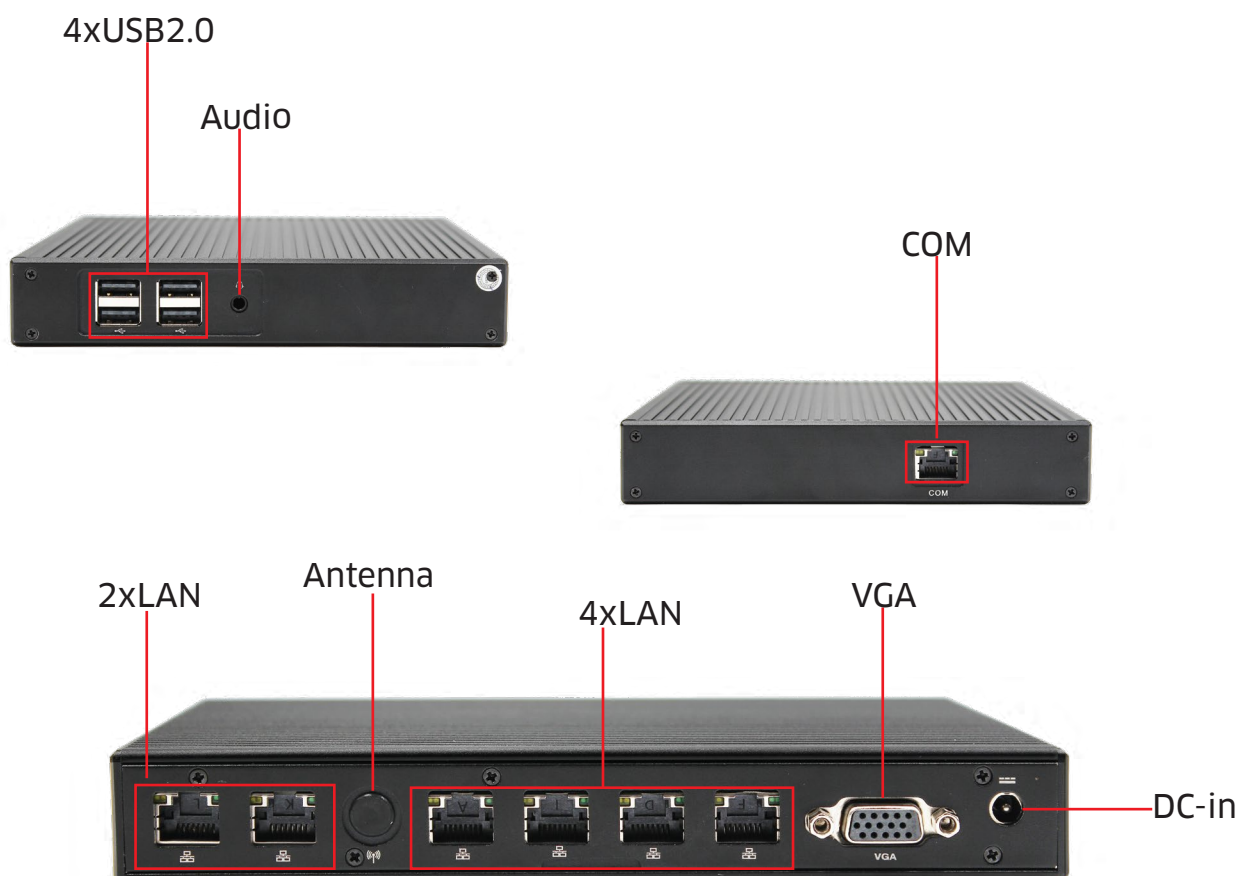


GPIO



Brightness

## I/O Interfaces



## Technical Specifications

Processor	CPU	J1800	J1900
	Core Frequency	2.41 GHz	2.0 GHz
	Max Turbo Frequency	2.58 GHz	2.42 GHz
	Cache	1MB	2MB
Memory	Type	1x SO-DIMM DDR3L	
	Max. Capacity	8 GB	
Display	GPU	Intel HD Graphics based on CPU	
	Display via	1xVGA	
Ethernet	Speed	10/100/1000Mbps	
	Controller	Intel i210	
	Interface	6xRJ45 LAN	
	Wake on LAN	Yes	
Audio	Audio Codec	Realtek HD	
	Interface	1xCTIA Audio Jack(Line-out+Mic-in)	
Storage	SATA	1	
	mSATA	1	
Expansion	mini-PCIe	1x mini-PCIe for WiFi	
	SIM Slot	Internal: 1xMicro SIM Card Slot	
Other I/O	COM	1xRS232	
	USB2.0	4	
Dimension	Size	190mm x 150mm x 29mm	
Weight	N.W.	860g	
Power	Standard Port	12V DC-in / 9-36V Optional	
Temperature	Operating Temp.	- 20°C to 60°C	
	Storage Temp.	- 20°C to 80°C	
Cooling Method		Passive	
Operating System		Windows 7/8/10, Linux	

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

## Dimension (in mm)

