

VBYT-30

Intel Bay Trail Processors based Fanless
Embedded Mini PC



Features

- CPU: Intel Bay Trail Processors
- Memory: 2x SO-DIMM DDR3L up to 8GB
- Display via: Intel HD Graphics display via HDMI, VGA
- I/O Ports: 3xLAN, 2x COM, 1xUSB3.2, 5xUSB2.0.
- Ethernet: 10/100/1000Mbps
- Storage: SATA, mSATA
- Power: 12/19 V DC-in



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Introduction

The VBYT-30 is a small form factor embedded fanless PC based on the Intel® Bay Trail platform. It supports Intel® Celeron™ J1900, J1800, N2940, and ATOM-E E3845 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 1×HDMI and 1×VGA, supports dual independent playback.

A rich i/o interface includes 3xLAN, 2xCOM, 1xUSB3.2, and 5xUSB2.0 meets most market's requirements. 1x mini-PCIe for Wi-Fi, 1x SIM card slot for expansion, and a desktop ready for easy installation. Its fanless construction not only overcomes noise challenges but also can be a great fit for various applications. The VBYT-30 provides an excellent customer experience, a long-lasting life expectancy for future development.



H/W Monitor



Watchdog

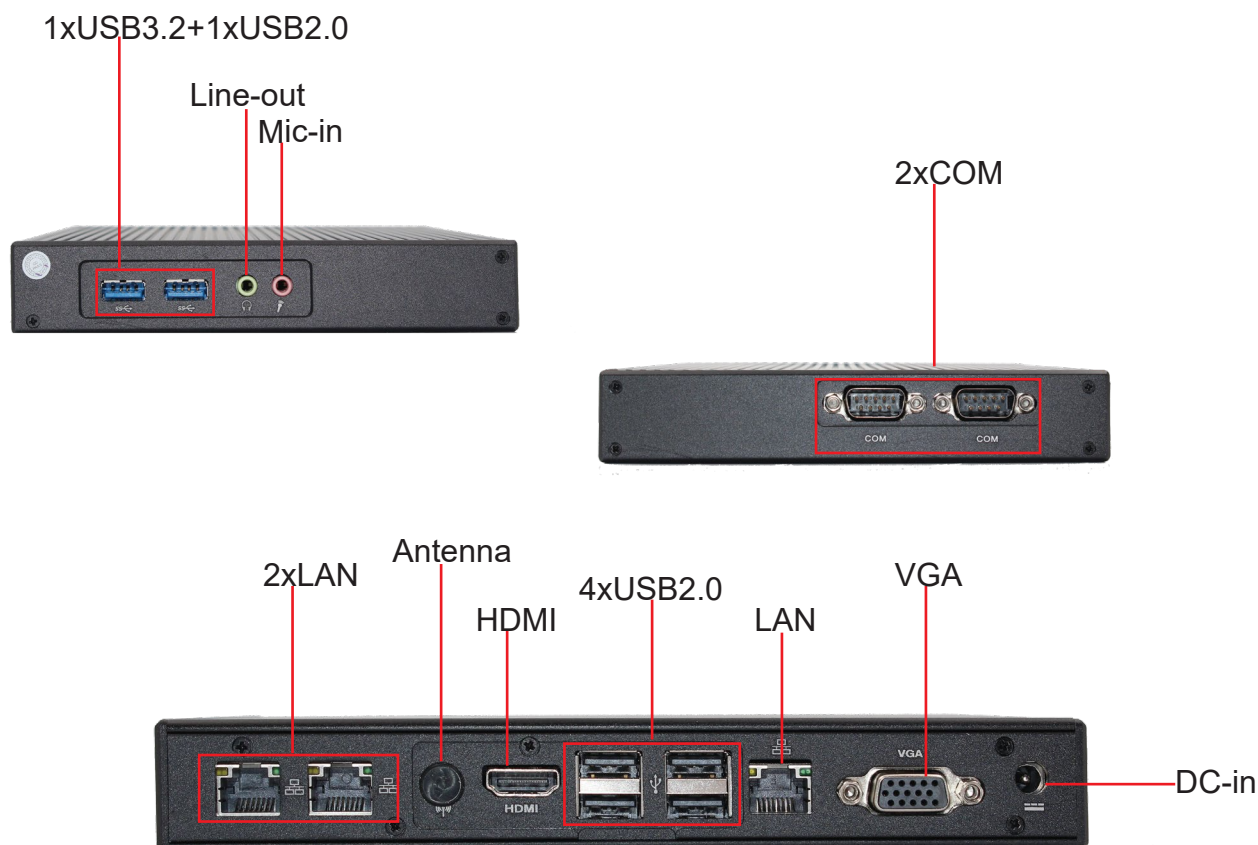


GPIO



Brightness

I/O Interfaces

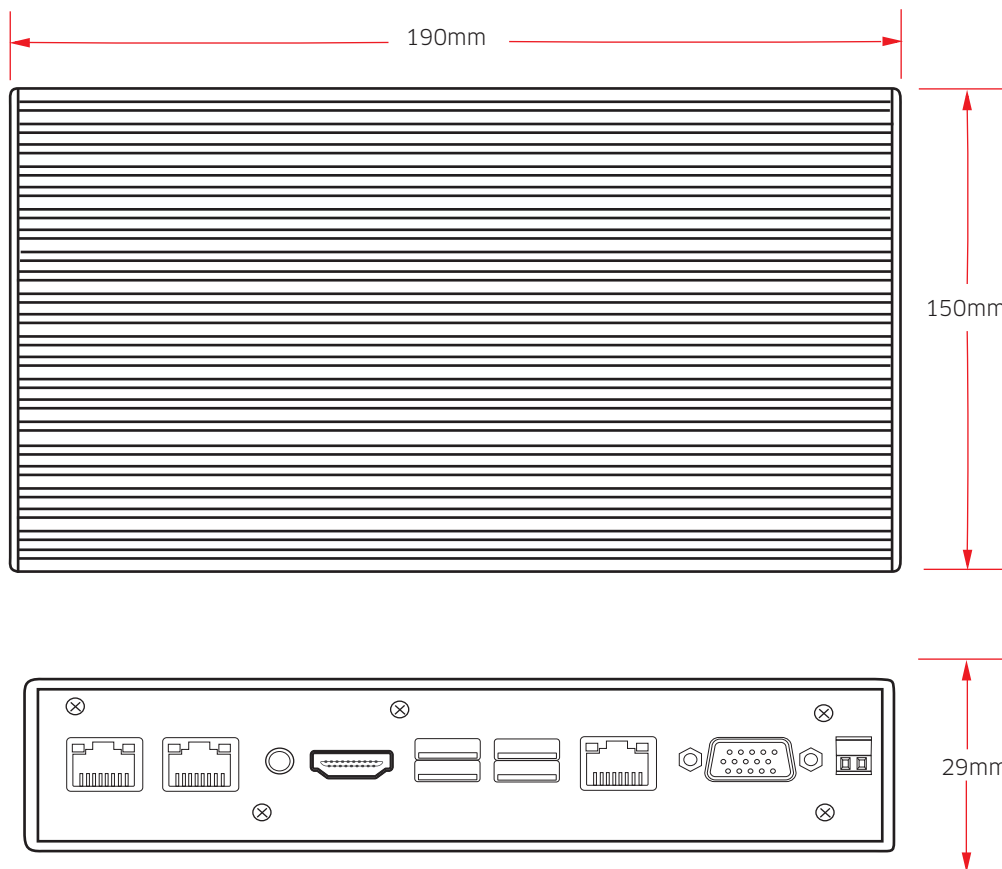


Technical Specifications

Processor	CPU	J1800	J1900	N2940	E3845
	Core Frequency	2.41 GHz	2.0 GHz	1.83 GHz	1.91 GHz
	Max Turbo Frequency	2.58 GHz	2.42 GHz	2.25 GHz	/
	Cache	1MB	2MB	2MB	2MB
Memory	Type	2x SO-DIMM DDR3L			
	Max. Capacity	8 GB			
Display	GPU	Intel HD Graphics based on CPU			
	Display via	HDMI+ VGA			
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	SATA3.0	1			
	mSATA	1			
Expansion	mini-PCIe	1x mini-PCIe for WiFi			
	SIM Card Slot	1x Internal Micro SIM Card Slot			
I/O	LAN	3xLAN or 1xLAN			
	COM	2x RS232(RS485 Optional)			
	USB2.0	5			
	USB3.2	1			
	HDMI	1			
	VGA	1			
Dimension	Size	190 mm x 150mm x 29 mm			
Weight(kg)	N.W.	860g			
Power	Standard Port	12/19 V DC-in			
Temperature	Operating Temp.	- 20°C to 60°C			
	Storage Temp.	- 20°C to 80°C			
Cooling Method		Passive			
Operating System		Windows 7/8/10, Linux			

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

Dimension (in mm)



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