

VBYT-31

Intel® Bay Trail Based Fanless Embedded Mini PC
with 6 LAN



Features

- Developed around low power Bay Trail Platform Celeron J1900 and Celeron J1800
- 1×SO-DIMM slot for memory up to 8GB
- Independent displays: VGA
- Rich I/O ports: 6×LAN, 4×USB2.0, 1×RS232
- Wide expansions: 1×SIM slot, 1×mSATA, 1×mini-PCIe
- Fanless design and low power consumption
- High quality Aluminium Enclosure



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Introduction

The VBYT-31 is a small form factor fanless embedded system. Built with the Intel® Bay Trail platform, it supports Intel® Celeron™ J1900 and J1800. This system is equipped with 1 DDR3L SO-DIMM slot with a total maximum capacity of 8GB to add higher bandwidth and lower latencies for processes. That being said, this computer also features 1×VGA, supporting independent playback.

What makes VBYT-31 truly special is its combination of fanless and compact design and a large array of industrially-focused I/O ports, which makes it an ideal for space-sensitive applications. It also has rich interfaces as 4×USB2.0, 1×RS232, 1×DC_IN, 1×Mic-in & Line -out two-in-one, catering to all the requirements in the market. This Bay Trail based system is designed for various application as, but not limited to, automation, network security, communication and transportation.



H/W Monitor



Watchdog



GPIO

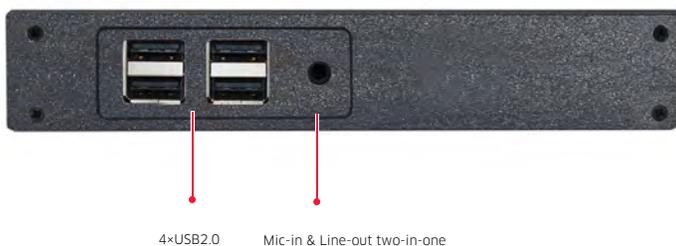


Brightness

I/O Interfaces



Rear Panel



Right side



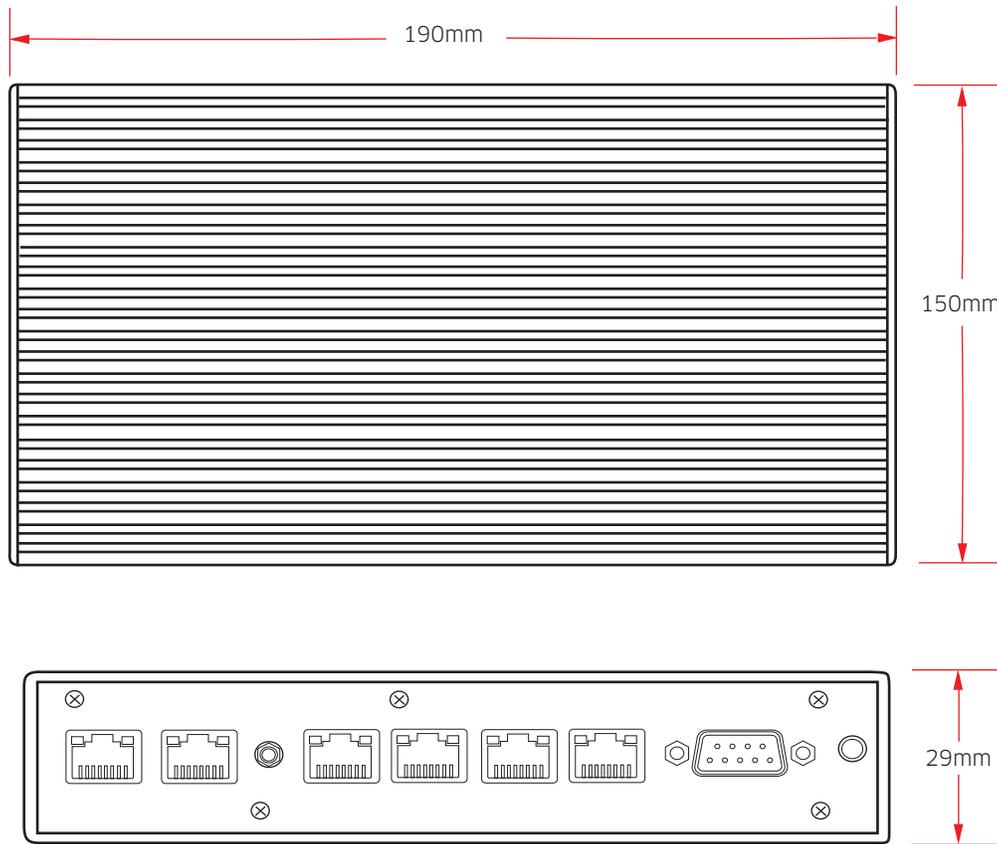
Left side

Technical Specifications

Processor	CPU	J1800	J1900
	Core frequency	2.41 GHz	2.00 GHz
Burst frequency	2.58 GHz	2.42 GHz	
Cache	1MB L2	2MB L2	
Memory	Type	1×SO-DIMM slot DDR3L	
	Max Capacity	8GB	
Display	VGA	1	
	Independent display	VGA	
Ethernet	Speed	10/100/1000Mbps	
	Controller	i211	
	Interface	6×RJ45	
Audio	Audio codec	Realtek HD ALC662 (Mic-in & Line-out two-in-one)	
Storage	mSATA	1	
Expansion	Mini-PCIe	1 (for WIFI or 3G/4G network)	
	SIM card slot	1	
Rear Panel I/O	VGA	1	
	LAN	6	
	DC-IN	1	
Right & Left sides I/O	Audio	1(Mic-in & Line-out two in one)	
	USB2.0	4	
	COM	1×RS232	
Power	Standard port	1×DC_IN 9~24V(9V~70V, optional)	
Dimension	L*W*H	150L×190W×29H mm	
Weight (g)	N.W.	860g	
Operating Environment	Operating Temp.	-20°C ~60°C	
	Storage Temp.	-20°C ~80°C	
Operating System		Supports Win7/8/8.1/10 32/64 bit, Linux 32/64 bit	

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

Dimensions



Ordering Information

Model	CPU	Memory	VGA	LAN	COM	Audio	mSATA	SIM card slot	Mini-PCIe	USB2.0	Power	Cooling
VX1800-6L-AX	J1800	1 × DDR3L	1	6	1	Yes	1	1	1	4	DC-IN	Passive
VX1900-6L-AX	J1900	1 × DDR3L	1	6	1	Yes	1	1	1	4	DC-IN	Passive
Customization available												

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