

DBYT-50

Intel® Bay Trail Celeron J1800 based Fanless Box PC with SIM and TF Card Slot



Features

- Onboard Intel Bay Trail Celeron J1800
- Supports single channel DDR3L-1333MHz up to 8GB memory
- mSATA interface for SSD, WiFi, 4G module
- Supports dual independent display via VGA and mini HDMI
- Rich I/O ports: 1x USB3.0, 4x USB2.0, 1x SIM card slot
1x TF slot, 1x LAN, 1x Audio, 1x DC jack
- Fanless design and low power consumption
- High quality Aluminium Enclosure



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Introduction

The DBYT-50 is a small form factor embedded fanless system. Built with the Intel® Bay Trail platform, it supports Intel® dual-core Celeron™ J1800. With low power consumption, it is designed to be fanless. This system carries one DDR3L 1333 MHz 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 one SIM card slot and one TF card slot, which makes it a good choice for data transportation applications.

This embedded system also supports dual independent display via mini HDMI and VGA interfaces. It has rich interfaces as 4×USB2.0, 1×USB3.0, 1×Audio (Mic-in and Line-out in one), 1×LAN, 1×mini HDMI and 1×VGA, catering to most requirements in the market. This Bay Trail Celeron based fanless system is designed for various application as, but not limited to, automation, network security, communication and transportation.



Book size Mini PC

Compact, portable and "easy to setup" Mini PC designed to provide maximum performance at a minimum foot print which can be easily hidden, mounted behind a screen or carry in with you.



Small, quiet and efficient

Advanced heat control technology provides silent operation in your living / office environment.



Gigabit LAN

The Gigabit network interface delivers a high speed LAN Connection with data transfer rate up to 1000Mbps. Gigabit LAN is ideal for seamless internet connection to confidently stream your entertainment and access your favorite apps with no hesitation.



USB3.0

The standard specifies a maximum transmission speed of upto 5Gbit/s (625MB/s), which is more than 10 times as fast as USB2.0.



HDMI Output

The interface supports existing high-definition video formats (720p, 1080i and 1080p), together with multi-channel digital audio on a single cable.



Energy Saving

Advanced heat control technology provides a cool and quiet IT experience perfect for household download station and server. You can operate it for long hours without worrying about the noise, heat and energy cost.

CPU Options

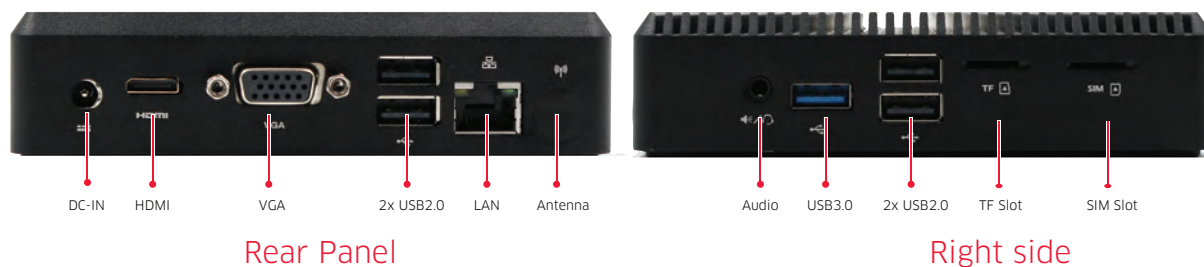
Celeron J1800 (2.41GHz, burst frequency 2.58GHz, dual-core, TDP 10W)

Technical Specifications

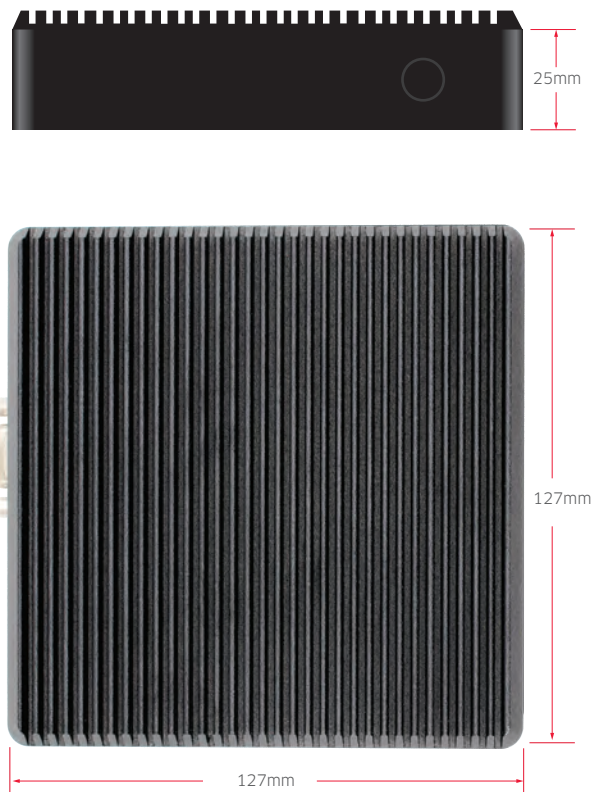
Processor	CPU	J1800, dual-core
	Core frequency	2.41 GHz
	Burst frequency	2.58 GHz
	Cache	1MB L2
Memory	Type	1x Single channel DDR3L -1333MHz
	Max Capacity	8GB
Display	Mini-HDMI	HDMI 1.4
	VGA	Yes
	Dual display	Mini-HDMI+VGA
Ethernet	Speed	10/100/1000Mbps
	Controller	RTL8111F
	Interface	1x RJ45
Audio	Audio codec	Realtek HD ALC662 (Line-out, MIC-in in one)
Storage	mSATA	1x mSATA for SSD
	eMMC	optional, up to 64GB
Expansion	mini-PCIe	1x Mini-PCIe for WIFI (half-height)
Rear Panel I/O	USB2.0	2
	Mini-HDMI	1
	VGA	1
	RJ45	1
	DC-IN	1
Right Panel I/O	Audio	1
	USB3.0	1
	USB2.0	2
	TF card slot	1
	SIM card slot	1
Power	Standard port	19V 40W DC_IN
Dimension	L*W*H	127L x 127W x 25H mm
Weight (kg)	N.W.	0.4kg
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.

I/O Interfaces



Dimensions



Ordering Information

Model	CPU	Memory	VGA	mini- HDMI	LAN	Audio	TF slot	SIM slot	USB3.0	USB2.0	Power	Cooling
NX1800-B0	J1800	1× DDR3L	1	1	1	Yes	1	1	1	4	DC-IN	Passive

Customization available