

BYT-60

Intel® Bay Trail Processor based Mini ITX Motherboard



Features

- CPU: Intel Bay Trail Celeron and Atom Processors
- Memory: Single Channel SO-DIMM DDR3L up to 8GB
- Display: Intel HD Graphics via VGA, HDMI, LVDS/eDP
- Ethernet: 10/100/1000Mbps
- Storage: SATA2.0, mSATA
- Expansion: Mini PCIe, eMMC optional
- Power: 12V DC input



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Introduction

Powered by an Intel® Celeron® processor, this board is compatible with J1900, J1800, or N2940. The BYT-60 mini ITX rated at a TDP of 10W/N2940 at 7.5W and adequate for power-sensitive applications. Single Channel SO-DIMM DDR3L up to 8GB memory to add higher bandwidth and lower latencies for processes. Features with 1×SATA and 1×mSATA (or 2×SATA and mSATA can set as mini-PCIe) for storage.

This embedded board has a 1080p HD display via VGA, HDMI, and eDP/LVDS. It has 7×USB2.0 (max.), 1×USB3.2, 2×LAN(max.), 1×PS/2, 1×LPT, 6×COM(max.), 1×mic-in and 1×audio-out, which meets most requirements in the market. It can deliver cutting-edge performance with low power consumption. Provides you the ability of multitasking and enhanced security to help create, increase productivity. Ideal for various applications like transportation, communication, and so on.



H/W Monitor



Watchdog



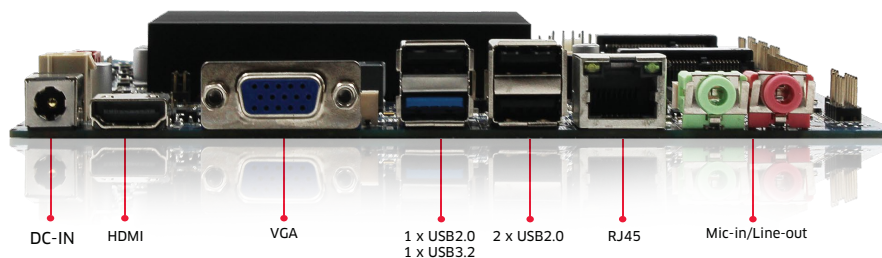
GPIO



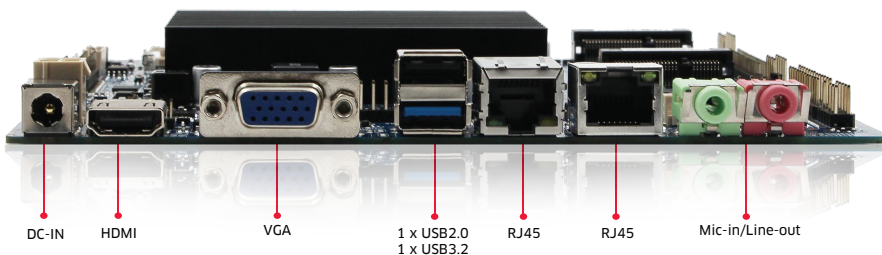
Brightness

I/O Interfaces

Option 1: 1xLAN



Option 2: 2xLAN

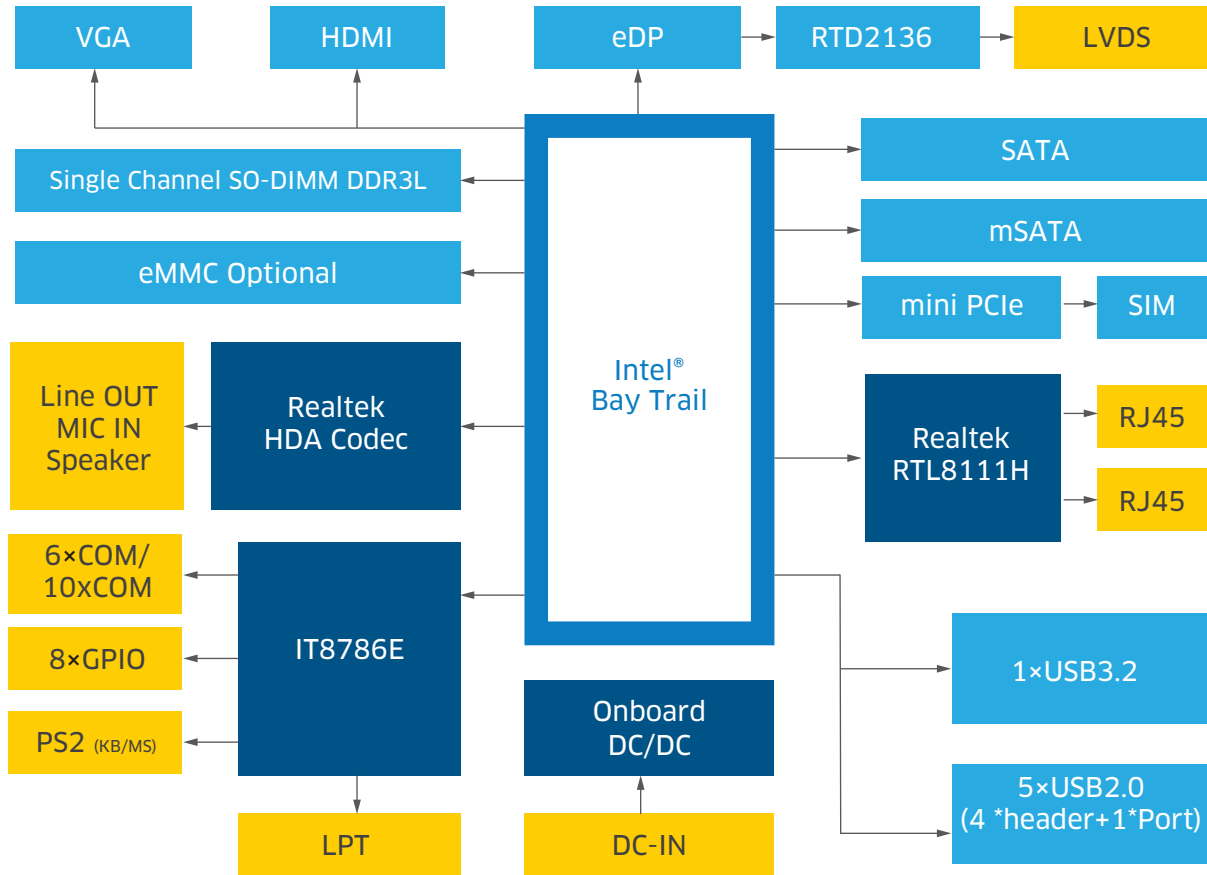


Technical Specifications

Processor	CPU	J1800(2-core)	J1900(4-core)	N2940(4-core)	
	Base Frequency	2.41GHz	2.00GHz	1.83 GHz	
	Burst Frequency	2.58GHz	2.42GHz	2.25 GHz	
	Cache	1MB	2 MB L2	2 MB L2	
	TDP	10W	10W	7.5W	
	BIOS	AMI UEFI BIOS			
Memory	Type	Single Channel SO-DIMM DDR3L			
	Max. Capacity	8GB			
Display	GPU	Intel HD Graphics			
	Display via	1xHDMI + 1xVGA + 1x eDP/LVDS			
Ethernet	Speed	10/100/1000Mbps			
	Controller	Realtek RTL8111H			
	Interface	RJ45			
Audio	Audio Codec	Realtek HD			
	Interface	Line-out, Mic-in, 1x SPDIF			
Hardware	Watchdog, Auto power on				
Storage	SATA2.0	1			
	mSATA	1			
	eMMC	Optional			
Expansion	Mini-PCIe	1			
I/O Interface	LAN	2 (Optional with 2x USB2.0 interfaces 1xLAN+2xUSB2.0)			
	COM	6x RS232 (COM6 can be set as RS485)			
	USB3.2	1			
	USB2.0	5 (4*header+1*Port)			
	Audio	1x Line-out, 1x Mic-in			
	GPIO	8			
	PS/2	1			
	LPT	1			
	Dimension	Size	170mm x 170mm		
		Board Type	Mini ITX		
Power	Standard Port	12V DC-in/4-pin power			
	Peripheral Input	For Fan and SATA			
Temperature	Operating Temp.	-20°C to 60°C			
	Storage Temp.	-40°C to 80°C			
Operating System	Win8/10 32/64bit, Linux 32/64bit				

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

Functional Block Diagram



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