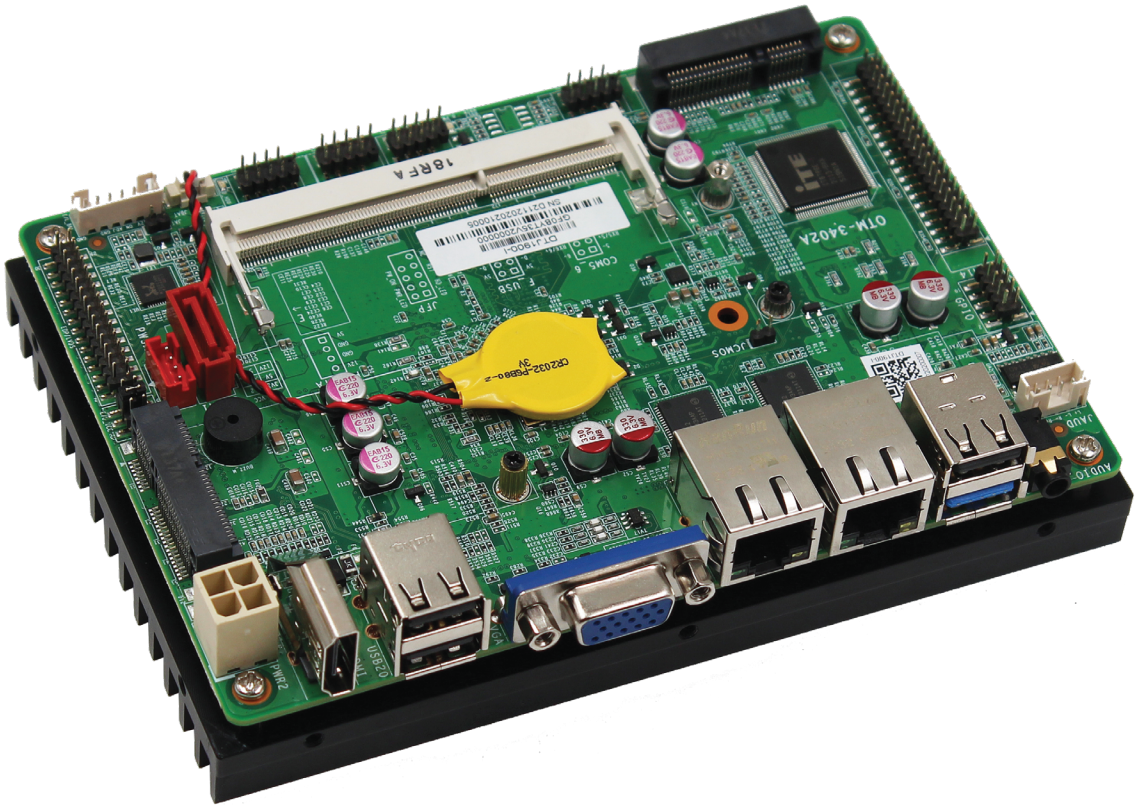
PRODUCT DATASHEET

HW Rev.: V2.1

BYT-35

Intel® Bay Trail Series based Single Board Computer



Features

- CPU: Intel Bay Trail BGA processor
- Memory: Single Channel SO-DIMM DDR3L up to 8GB
- Display: Integrated Graphics display via VGA, HDMI, eDP/LVDS
- Ethernet: 10/100/1000Mbps
- Storage: SATA2.0, mSATA
- Expansion: mini PCIe for WiFi, Mirco SIM
- Power: 12V DC-IN

intel prestige partner Builder

Maxtang®

MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

The Maxtang SBC BYT35 is an embedded motherboard based on the Intel Bay Trail processor, provides powerful performance with low power consumption. Supports Single Channel SO-DIMM DDR3L up to 8GB, display via HD Graphics through HDMI, VGA, and eDP/LVDS. Features two 10/100/1000 Mbps Ethernet controllers, mSATA, SATA2.0 for storage. Micro-SIM for expansion, mini-PICe for WiFi. A rich input/output interface includes 6x COM, 1x USB3.2, 7xUSB2.0, 8x GPIO, Audio Ports (Mic-in+ Line-out) with 4 pin power 12V DC-IN caters to most market's requirements.

The SBC-BYT35 is an ideal solution for various industrial applications. It retains the robust design of all Maxtang product lines at a new cost-effective price point. Its powerful features provide you with a great user experience, increase your productivity with stability, reliability. Maxtang is a member of the Intel IoT Solutions Alliance on Industrial Solution Builders Specialist. Our goal is to provide you with the best products with high quality and cost advantages.

Linux

ubuntu Linux

Windows

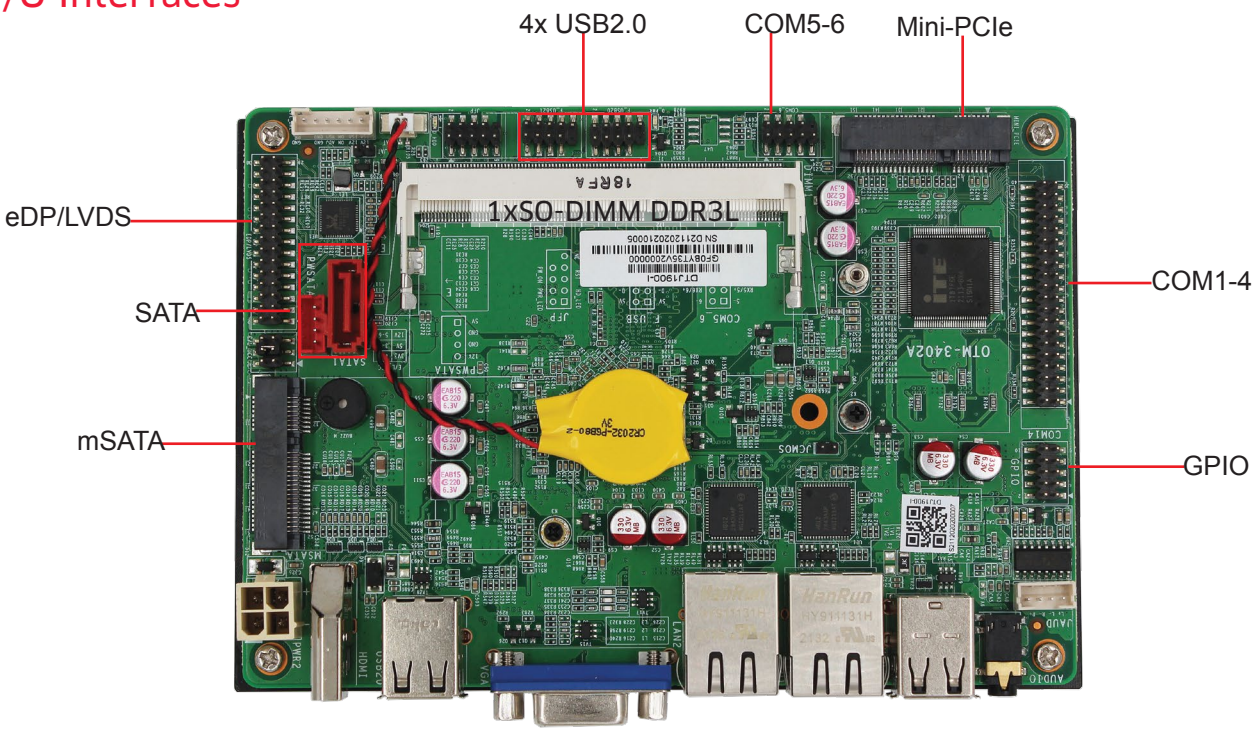
H/W Monitor

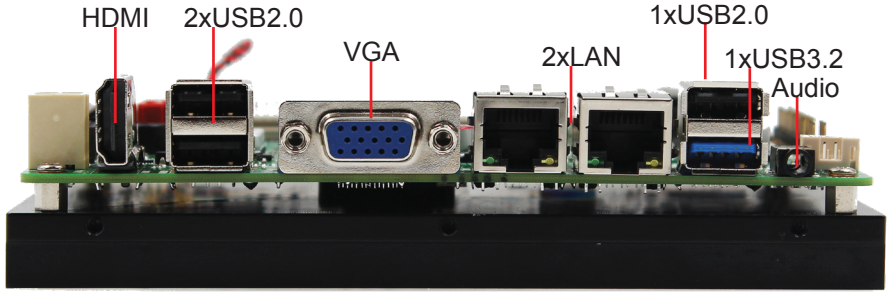
Watchdog

GPIO

Brightness

I/O Interfaces



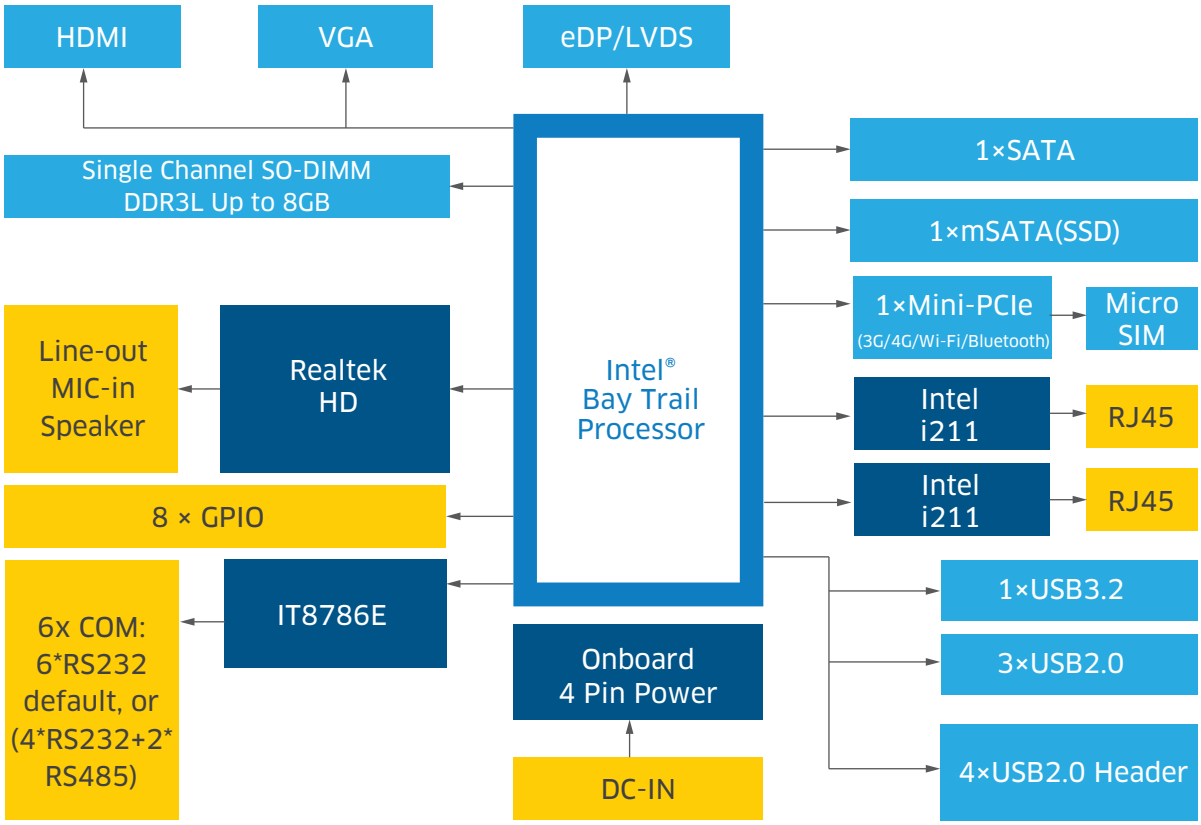


Technical Specifications

Processor	CPU	J1800	J1900	N2940
	Base Frequency	2.41 GHz	2.00 GHz	1.83 GHz
	Burst Frequency	2.58 GHz	2.42 GHz	2.25 GHz
	Cache	1MB L2	2MB L2	2MB L2
	BIOS	AMI UEFI BIOS		
Memory	Type	Single Channel SO-DIMM DDR3L		
	Max. Capacity	8 GB		
Display	GPU	Intel Integrated Graphics based on CPU		
	Type	1xHDMI + 1xVGA + 1xeDP/LVDS		
Ethernet	Speed	10/100/1000 Mbps		
	Controller	Intel i211		
	Interface	2xRJ45		
Audio	Audio codec	Realtek HD		
	Interface	1xCTIA Line-out+Mic-in (2-in-1), Supports power amplifier		
Hardware		CPU system temperature, on-board voltage, watchdog		
Storage	mSATA	1x mSATA for SSD		
	SATA2.0	1		
Expansion	Mini PCIe	1x mini PCIe for Wi-Fi/4G/Bluetooth		
	Micro SIM	1		
I/O Interface	LAN	2		
	COM	6*COM: 6*RS232 default or 4*RS232+2*RS485(COM5,COM6)		
		The COM5,COM6 are 2-wire serial communication		
	USB2.0	7(3*Port+4*Header)		
	USB3.2	1		
	GPIO	8		
	Audio	1 (Mic-in+Line-out)		
Dimension	Size	146 mm x 102 mm		
	Board type	3.5" Disk Size SBC		
Power	Standard Port	12V DC-IN 4-Pin Power		
	Peripheral Input	For SATA power		
	LED Indicator	Power Indicator		
Temperature	Operating Temp.	-20℃ to 60℃		
	Storage Temp.	-40℃ to 80℃		
Operating System		Win 7, Win 10 32/64bit, Linux		

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

Functional Block Diagram



Order Information

Model Name	Description
DTJ1900-I	DT 3.5INCH Intel Celeron J1900 BYT35V2 2LAN 6*232 SODIMM LVDS
DTJ1900-I-485	DT 3.5INCH Intel Celeron J1900 BYT35V2 2LAN 4*RS232 2*RS485 SODIMM LVDS

*For customized options, please consult regional sales. And please confirm the model name and description before purchasing. *The model name and description might vary due to inventory changes.

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