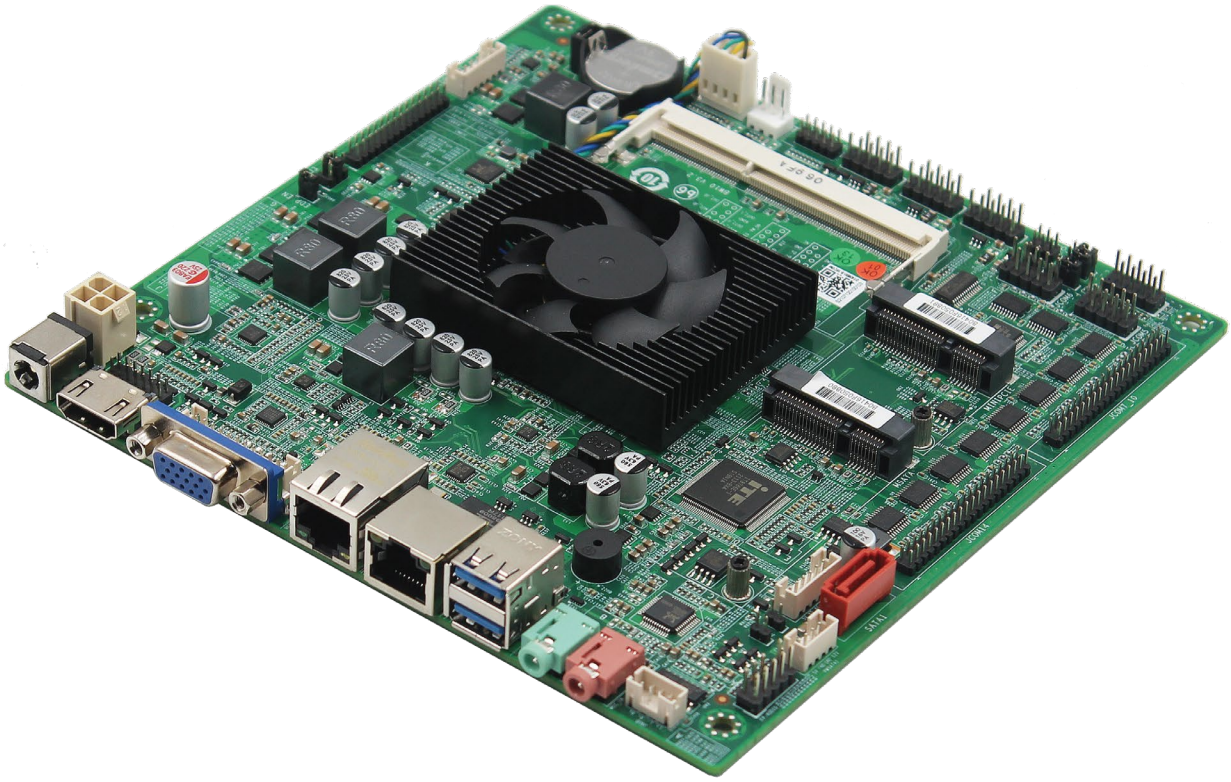
PRODUCT DATASHEET
HW Rev.: V3.2

BW-10

Intel® Broadwell-U Processor based Mini ITX Motherboard



Features

- CPU: Intel Broadwell-U Celeron, Core Processors
- Memory: Single Channel SO-DIMM DDR3L up to 8 GB
- Display: Multiple display via HDMI, VGA, LVDS/eDP
- Ethernet: 10/100/1000Mbps
- Storage: SATA3.0, mSATA
- Expansion: Mini PCIe for WiFi
- Power: 12V DC input

intel prestige partner Builder

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

The Maxtang mini-ITX BW10 embedded motherboard is based on Intel Broadwell-U processors, provides a complete PC platform with high performance. A single channel SO-DIMM DDR3L up to 8GB for its memory and SATA3.0, mSATA for its storage. Intel HD graphics (based on CPU) for display via HDMI, VGA, and eDP/LVDS. Rich interfaces include 10xCOM, 2xLAN, 2xUSB3.2 and 6xUSB2.0 caters most market's requirements.

This industrial mini-ITX motherboard offers a lot of functionality right off the rear panel and its internal headers. It is composed of high-quality components intended for a long-life operation that is perfect for industrial environments. It retains a robust design just like all other Maxtang products with stability, reliability, and cost advantages.

Linux

ubuntu Linux

Windows

H/W Monitor

Watchdog

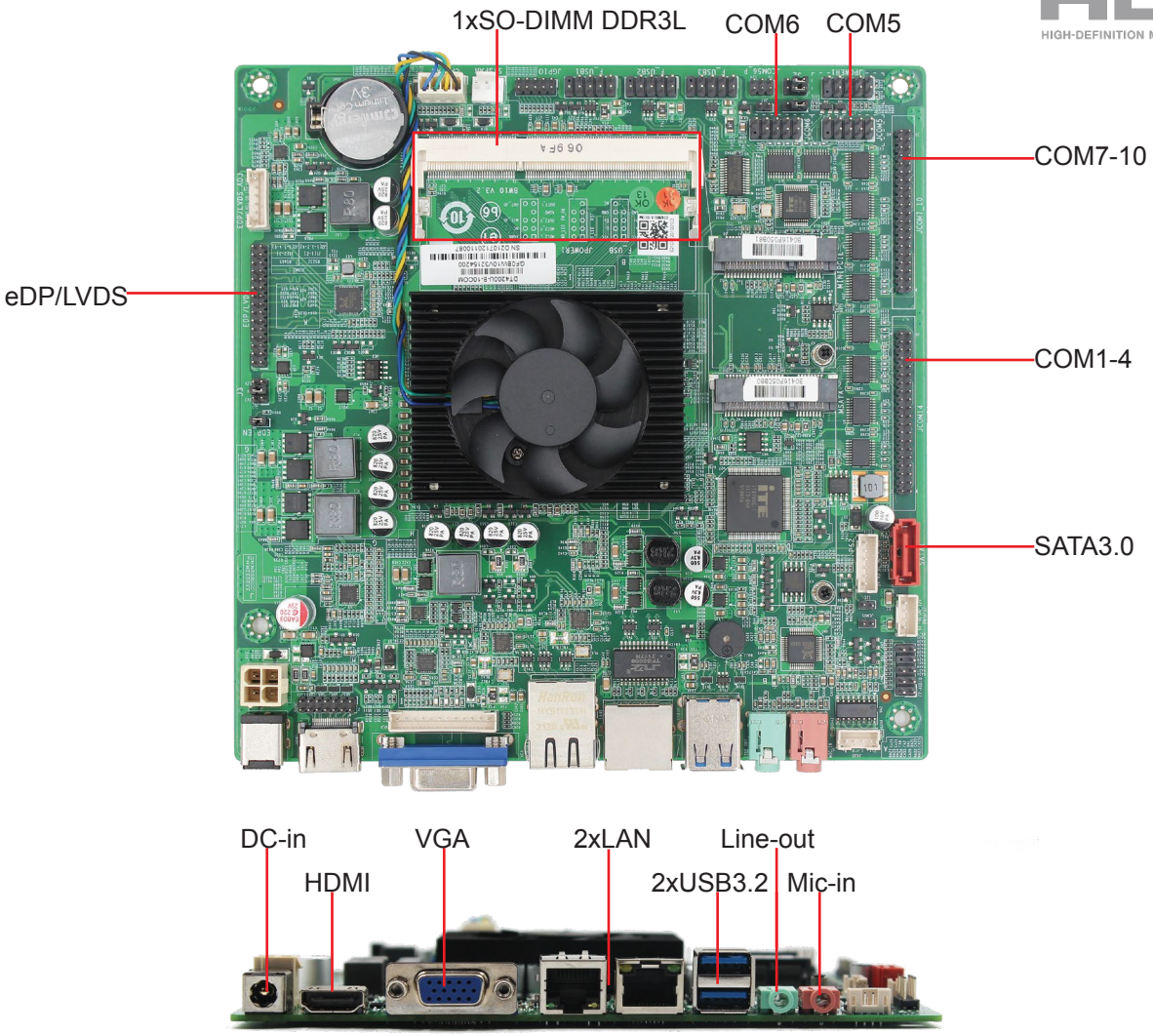
GPIO

Brightness

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

I/O Interfaces

10COM/6COM Optional *

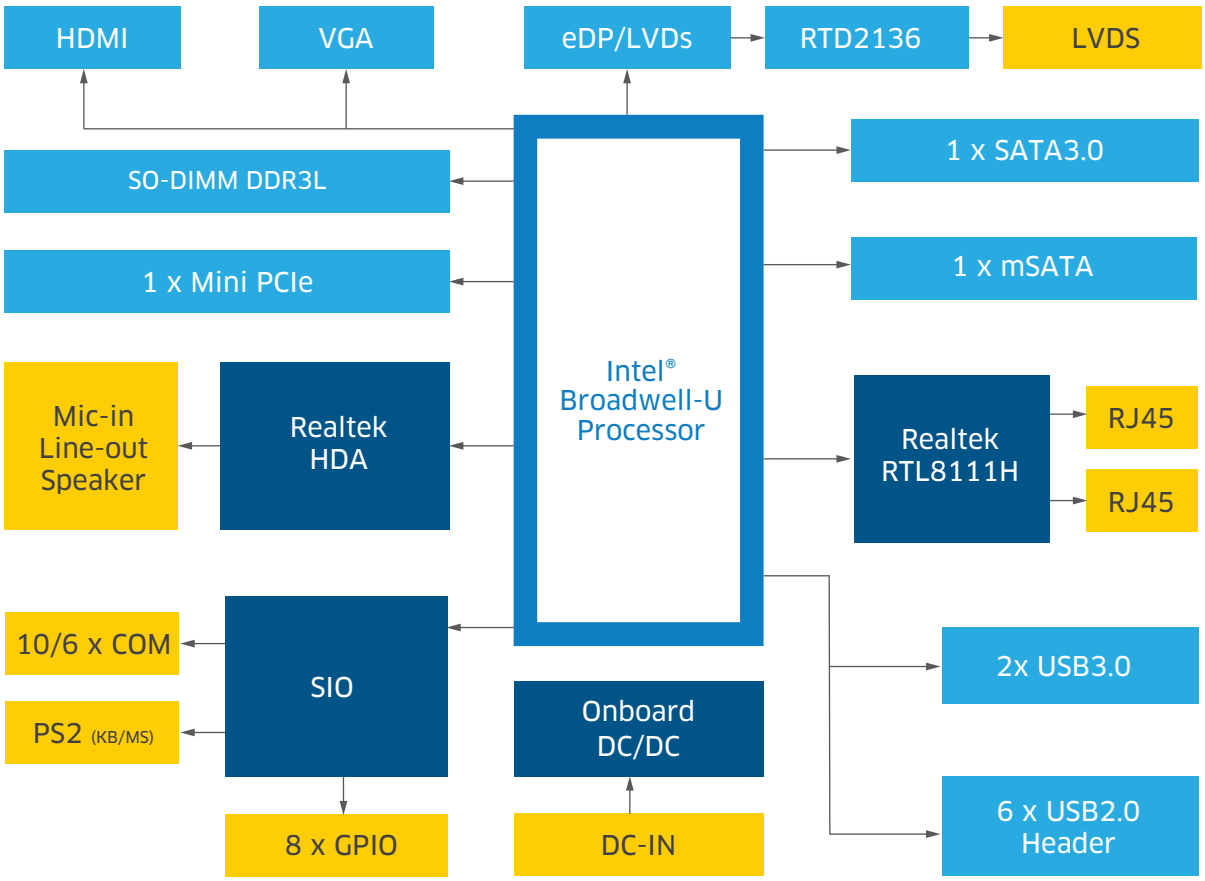


Technical Specifications

Processor	CPU	Celeron 3205U	i3-5010U	i5-5200U	i7-5500U
	Core Frequency	1.50 GHz	2.1 GHz	2.2 GHz	2.4 GHz
	Turbo Frequency			2.7GHz	3.0 GHz
	Cache	2 MB	3MB	3MB	4MB
	TDP	15W	15W	15W	15W
	BIOS	AMI UEFI BIOS			
Memory	Type	Single Channel SO-DIMM DDR3L			
	Max.Capacity	8GB			
Display	GPU	Intel Integrated Graphics based on CPU			
	Display via	1x HDMI+1x VGA+1x LVDS/eDP			
Ethernet	Speed	10/100/1000Mbps			
	Controller	Realtek RTL8111H			
	Interface	2xRJ45			
	Wake on LAN	Yes			
Audio	Audio Codec	Realtek HD			
	Interface	Line-out, MIC-in, audio header, amplifier header			
Hardware		CPU system temperature, onboard voltage, watchdog, auto power on			
Storage	SATA3.0	1			
	mSATA	1			
Expansion	Mini-PCIe	1 x Mini-PCIe for Wi-Fi			
I/O Interface	LAN	2			
	COM	10/6*RS232, the COM 2 can be set as RS485 by jumper			
	USB3.2	2			
	USB2.0	6*header			
	PS/2	1*header			
	GPIO	8 (one group)			
	Audio	1 x Line-out, 1 x Mic-in			
Dimension	Size	170mm x 170mm			
	Board Type	Mini-ITX			
Power	Standard Port	12V DC-in			
	Peripheral Input	For Fan and SATA			
Temperature	Operating Temp.	-20°C to 60°C			
	Storage Temp.	-40°C to 80°C			
Operating System		Win7/8/10 32/64bit, Linux 32/64 bit			

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

Functional Block Diagram



Order Information

Model Name	Description
DT4200U-B	DT MINI-ITX Intel Core I5-4200U BW10V2 2LAN 6*COM VGA+HDMI+LVDS
DT5200U-B-10COM	DT MINI-ITX Intel Core I5-5200U BW10V3 2LAN 10*COM VGA+HDMI+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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