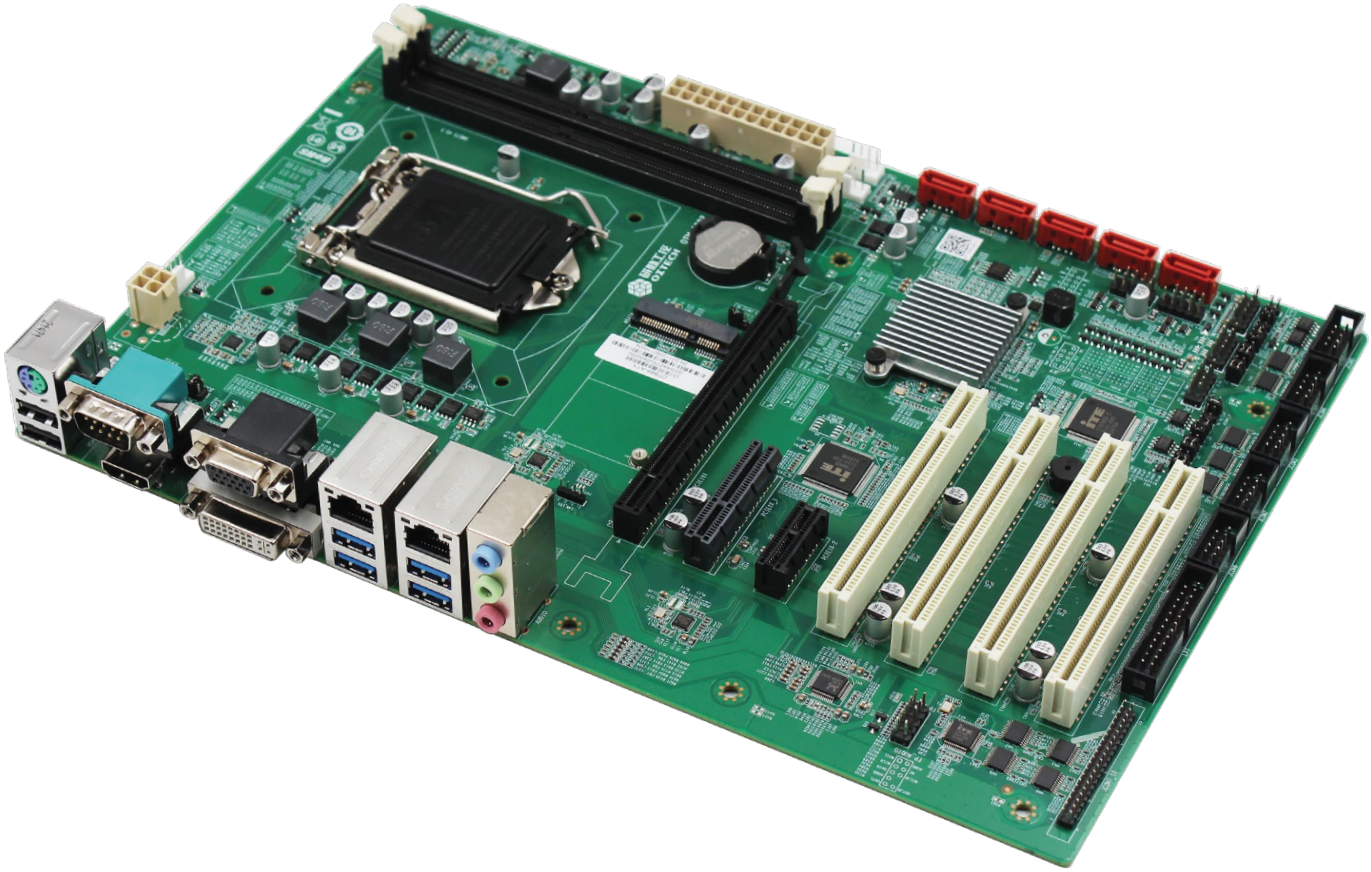
DATASHEET

HWD-75

Intel Haswell Processors based Embedded ATX Motherboard with B85 Chipset



Features

- CPU: Intel Haswell Processors with B85
- Memory: 2x UDIMM DDR3 Up to 32GB
- Display: Integrated Graphics, Display via HDMI+VGA+DVI
- Ethernet: 10/100/1000 Mbps
- Storage: 1x mSATA, 5xSATA(SATA4,5 are SATA2.0 definition)
- Expansion: PCIe1X, PCIe2X, PCIe16X, PCI
- Power: ATX_24PIN + 4PIN

intel IoT Solutions Alliance
Industrial Solution Builders Specialist

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Introduction

The Maxtang ATX HWD75 embedded motherboard is based on Intel Haswell (i3, i5, Celeron) processors with B85 Chipset, which provides a complete PC platform with powerful performance. It supports multiple displays in addition to 2xUDIMM DDR3 memory. Features with two 1-Gigabit Ethernet controllers, mSATA, SATA for storage, a rich interface as 10xCOM(COM7-10 Optional), 6x USB2.0(4*Headers), 4 x USB3.2 Gen 1, Line-in, Line-out, and Mic-in caters to most market requirements.

The HWD75 is an ideal solution for various industrial applications. It retains the robust design just like all other Maxtang products with cost advantages. Our goal is to provide you with an excellent customer experience with a great product based on flexibility and reliability.

Linux

ubuntu Linux

Windows

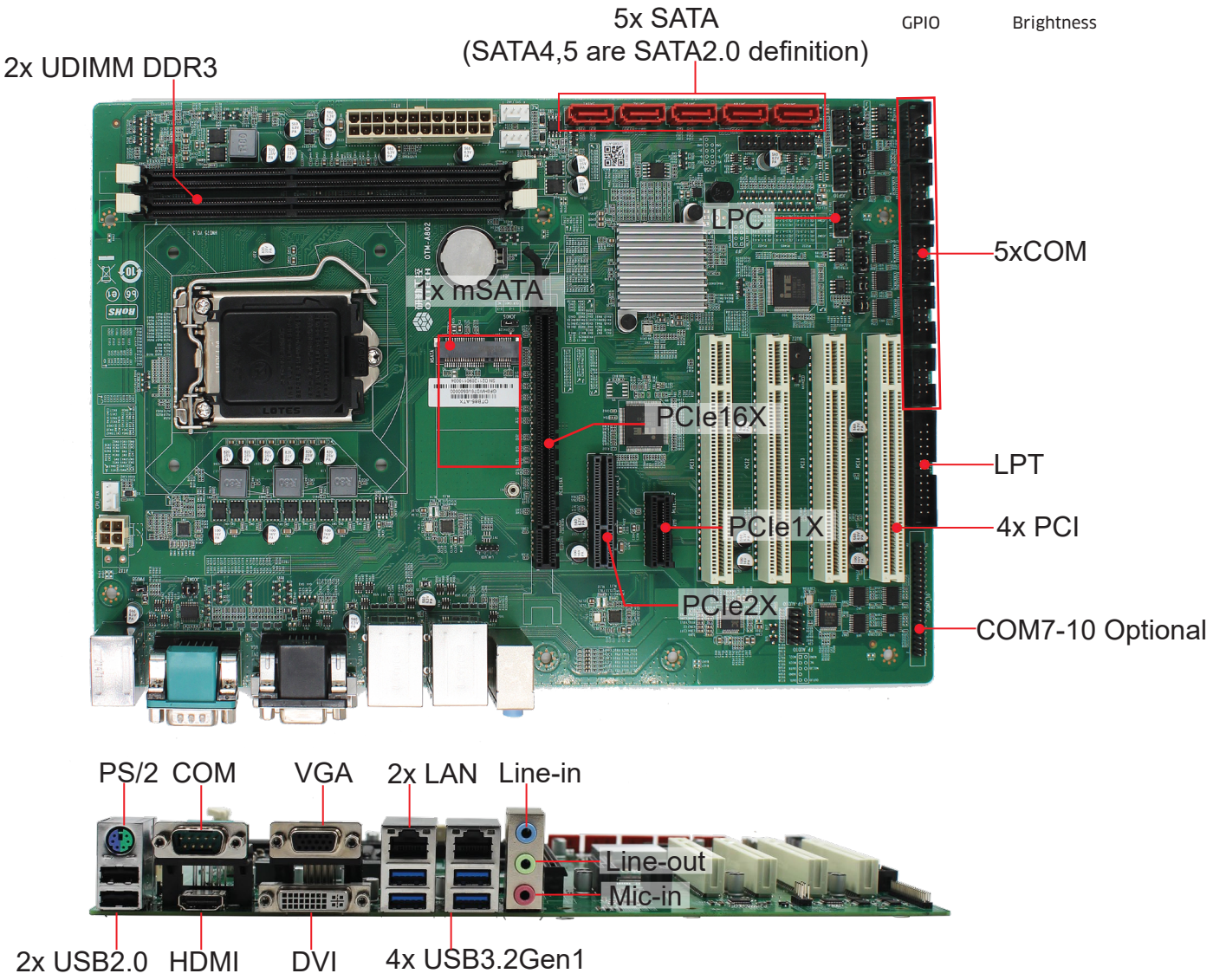
H/W Monitor

Watchdog

GPIO

Brightness

I/O Interfaces

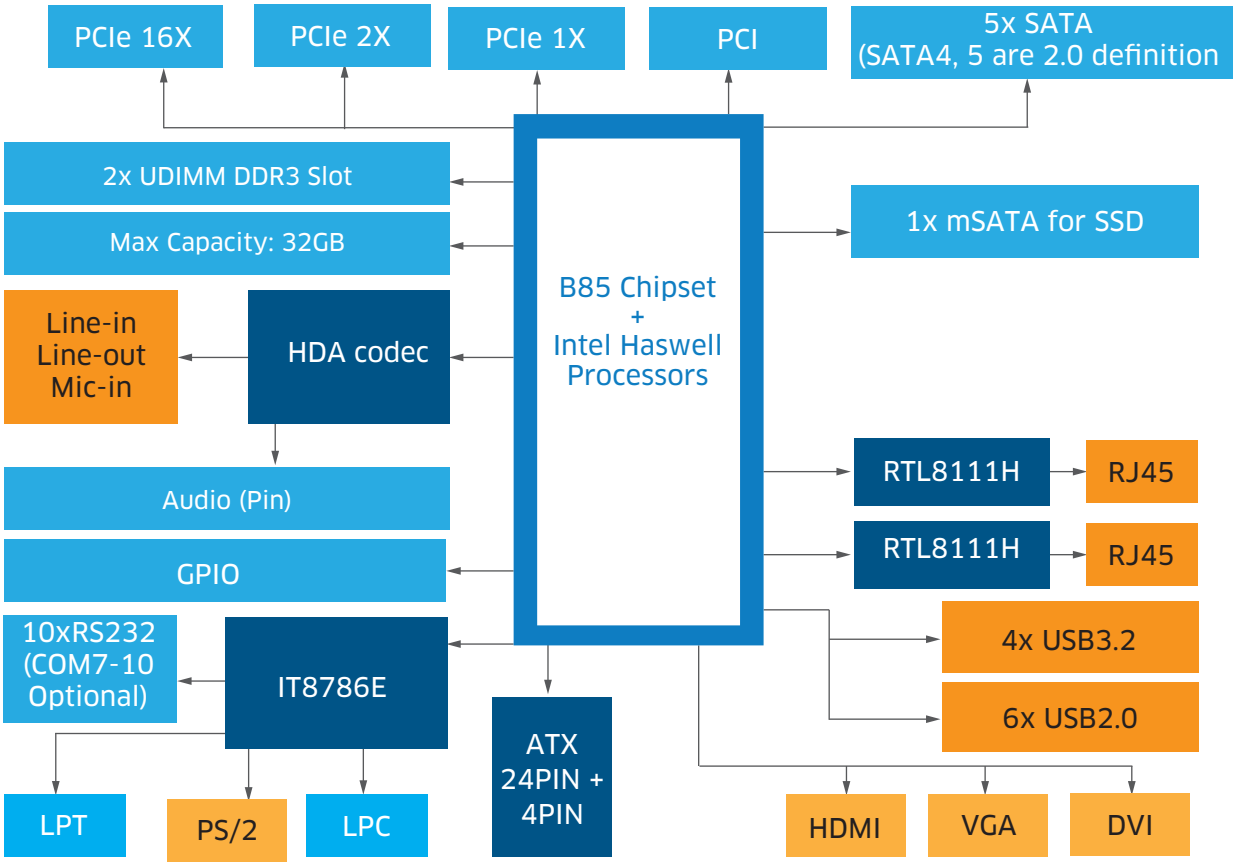


Technical Specifications

Processor	CPU	Intel Haswell Processors
	Chipset	B85
Memory	Type	2x UDIMM DDR3
	Max Capacity	Up to 32GB
Display	GPU	Intel Integrated Graphics based on CPU
	Port	1x HDMI + 1x VGA+ 1x DVI
Ethernet	Speed	10/100/1000 Mbps
	Controller	RTL8111H
	Interface	2x LAN (RJ45)
Audio	Audio Codec	Realtek HD
	Interface	Line-in,Line-out, Mic-in,
Hardware		CPU and system temperature, on-board voltage, watchdog
Storage	SATA	5x SATA (SATA4,5 are SATA2.0 definition)
	mSATA	1x mSATA for SSD
Expansion	PCI	4
	PCIe16X	1
	PCIe2X	1
	PCIe1X	1
I/O Interface	LAN	2
	COM1-6	6x RS232 Default (COM2 & COM4 RS485/RS422 Optional)
	COM7-10	4x RS232 Optional
	USB2.0	2x USB2.0 Ports+ 4x USB2.0 Header
	USB3.2	4x USB3.2 Gen1 Ports
	HDMI	1
	VGA	1
	DVI	1
	Audio	1xLine-in + 1x Line-out + 1x Mic-in
	PS/2	1 (for PS/2 keyboard and mouse)
	GPIO	8 (one group)
	LPT	1
	LPC	1
Dimension	Size	305mm x 207mm
	Board Type	ATX
Power	Standard Port	ATX_24PIN + 4PIN
Temperature	Operating Temp.	-20°C to 60°C
	Storage Temp.	-40°C to 80°C
Cooling Method		Active (Fan)
Operating System		Windows 7/8.1/10, Linux

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

Functional Block Diagram



Copyright © 2018 Maxtang Technology Co Ltd. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate however, no responsibility is assumed for inaccuracies. Maxtang and the Maxtang logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized.

Maxtang®
MAXIMIZING YOUR COMPUTING PRODUCTIVITY

SHENZHEN MAXTANG COMPUTER CO. LTD.
6/F, Bldg 3, Honghui Indl Park, Liuxian 2nd Road, Bao'an Dist, Shenzhen, China 518101
Tel.: +86 755 86143003 I Fax: +86 755 86143003 I sales@datangpc.com

www.maxtangpc.com