

HWD-70

Intel Haswell LGA1150 based Embedded Micro ATX
Motherboard with PCH B85



Features

- CPU: Intel Haswell CPU + PCH B85
- Memory: Dual Channel SO-DIMM DDR3 up to 16 GB
- Display: Display via 1xHDMI1.4+1xDVI-D+2xVGA (1*onboard pins)
- Ethernet: 10/100/1000 Mbps
- Storage: SATA3.0, SATA2.0, mSATA,
- Expansion: M.2, PCIe4X, PCIe16X, PCI
- Power: ATX_24PIN + 4PIN



H/W Monitor



Watchdog

Technical Specifications

Processor	CPU	Intel Haswell LGA1150 Processor	
	Chipset	PCH B85	
	BIOS	AMI UEFI BIOS	
Memory	Type	Dual Channel SO-DIMM DDR3	
	Max Capacity	16GB	
Display	GPU	Intel HD Graphics based on CPU	
	Port	1x HDMI + 1x VGA + 1x DVI-D+ 1x VGA (on-board pin)	
Ethernet	Speed	10/100/1000 Mbps	
	Controller	RTL8111H	
	Interface	2xRJ45	
Audio	Audio Codec	Realtek HD	
	Interface	Line-out, Mic-in, Audio header	
Hardware		CPU and system temperature, on-board voltage, watchdog	
Storage	SATA	1x SATA2.0 + 3x SATA3.0	
	mSATA	1x mSATA for SSD/4G module optional	
Expansion	M.2	1x M.2_E 2230 for Wi-Fi	
	PCI	2	
	PCIe	1x PCIe16X +1x PCIe4X	
I/O Interface	LAN	2	
	COM	6xCOM: 6*RS232 default. The COM1, COM2 can be set as RS485 by jumper; optional RS422 through hardware changes.	
	USB2.0	6 (2*ports+ 4*header)	
	USB3.2	4	
	Audio	1x Mic-in + 1x Line-out	
	PS/2	1	
	GPIO	8	
	LPT	1	
	LPC	1	
	Dimension	Size	244mm x 200mm
		Board Type	Micro ATX
Power	Standard Port	ATX_24PIN + 4PIN	
Temperature	Operating Temp.	- 20°C to 60°C	
	Storage Temp.	- 40°C to 80°C	
Operating System		Windows 7/8.1/10, Linux	

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

Functional Block Diagram

