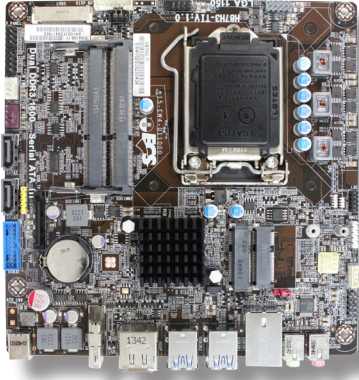


# ITX-i87H0

## 4<sup>th</sup> Generation Intel® Core™ Processor Embedded Mini-ITX Motherboard



### Features

- 4<sup>th</sup> Generation Intel® Core™ Processor supported
- Dual Gigabit Ethernet Ports
- Dual Channel 24-bit LVDS, DisplayPort, HDMI\_IN and HDMI\_OUT
- Dual Independent Displays supported

### System

Processor	4 <sup>th</sup> Generation Intel® Core™ Processor i7/ i5/ i3, Pentium® / Celeron® (Socket LGA1150)
Chipset	Intel® PCH H87
Memory	2 x DDR3 SO-DIMM sockets, supporting up to 16GB 1066MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

### I/O

Super IO Chipset	Fintek F71808A
Keyboard & Mouse	USB interface Keyboard/ Mouse
USB 2.0	7 x USB 2.0 ports
USB 3.0	4 x USB 3.0 ports
Expansion	1 x Mini-Card socket
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate 1 x mSATA socket
Ethernet Chipset	2 x Realtek® RTL8111G PCIe GbE controllers
Audio Interface	Realtek® ALC662 5.1 Channel HD Audio CODEC, Mic-in/ Line-in/ Line-out

### Display

Graphic Chipset	Integrated Intel® HD Graphics 4600
Graphic Interface	2 x HDMI (one in/ one out) 1 x DisplayPort LVDS: Dual Channels 24-bit LVDS

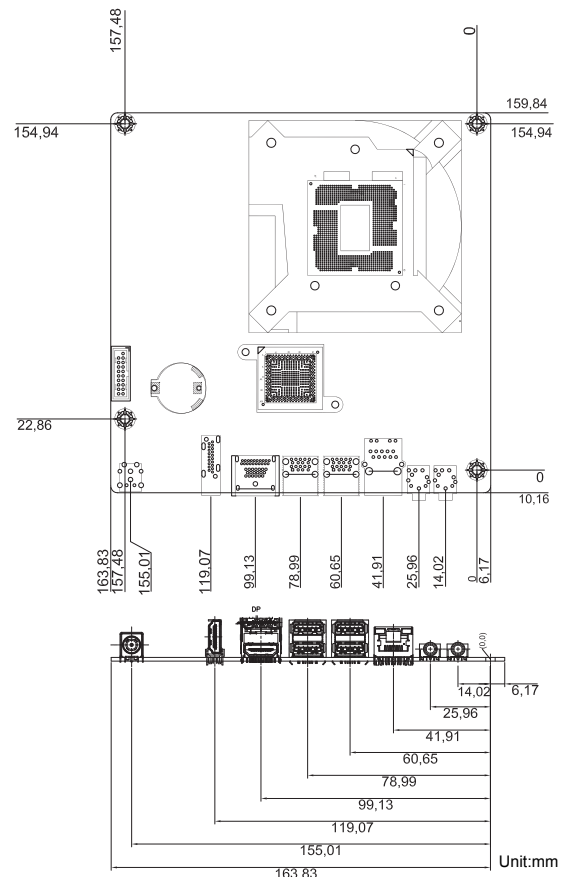
### OS Support

Windows 7 32/64-bit  
Windows 8.1 32/64-bit

### Mechanical & Environmental

Power Input	DC 19V DC jack
Power Consumption	2.26A@+19V with i7-4770S (Typical)
Operating Temp.	0 ~ 60°C (-32 ~ 140°F)
Operating Humidity	10 ~ 95% @ 60°C (non-condensing)
Dimension (L x W)	170 x 170 mm (6.7" x 6.7")

### Dimensions

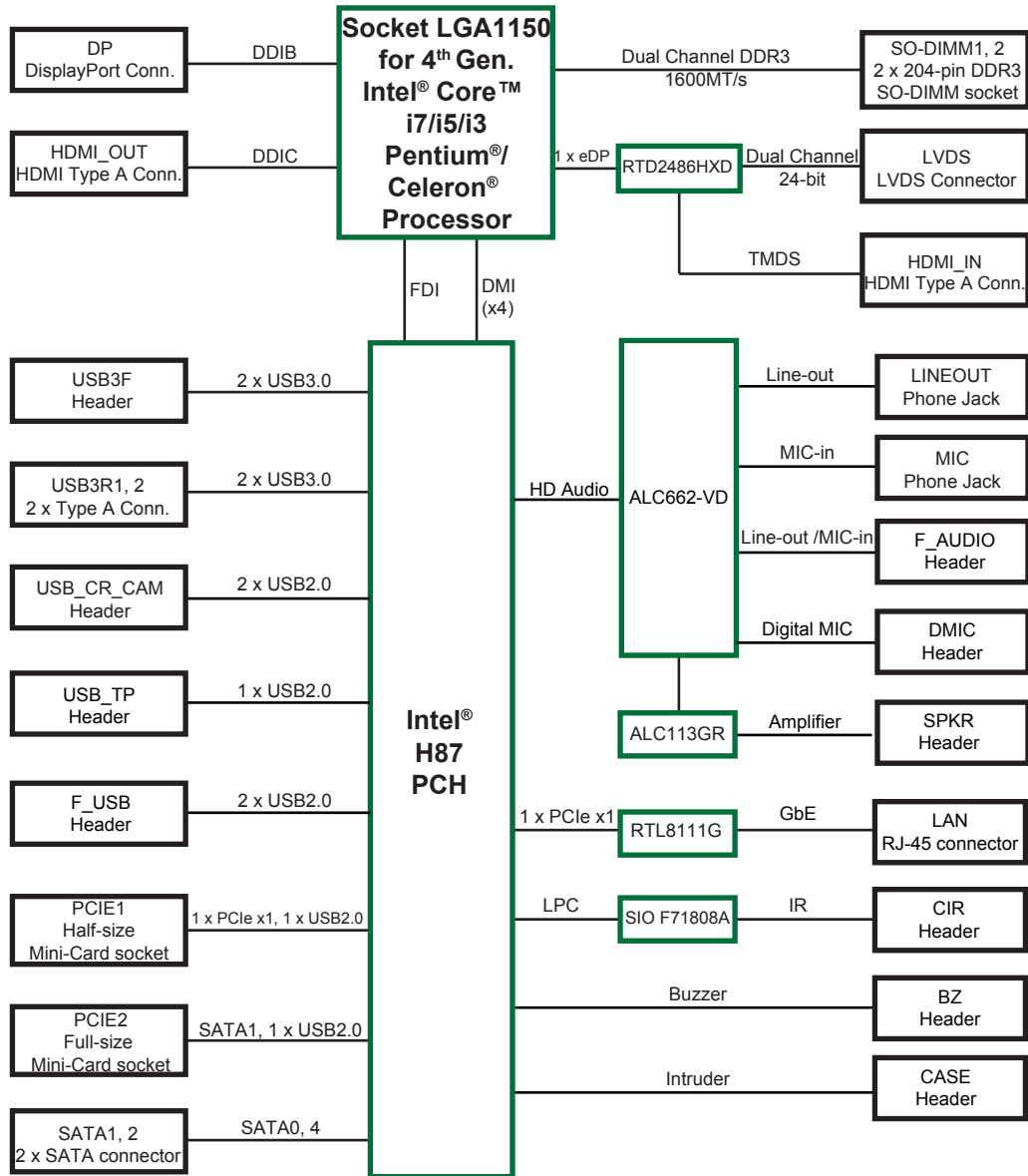


### Recommended CPU List:

i7-4790S Quad-Core 3.2GHz	i5-4570S Quad-Core 2.9GHz	i3-4330TE Dual-Core 2.4GHz
i7-4770S Quad-Core 3.1GHz	i5-4570TE Dual-Core 2.7GHz	Pentium® G3420 Dual-Core 3.2GHz
i7-4770TE Quad-Core 2.3GHz	i3-4350T Dual-Core 3.1GHz	Celeron® G1820 Dual-Core 2.7GHz
i5-4590S Quad-Core 3.0GHz	i3-4330 Dual-Core 3.6GHz	Celeron® G1820TE Dual-Core 2.2GHz



## Block Diagram



### Ordering Information

ITX-i87H0	Socket LGA1150 for 4 <sup>th</sup> Generation Intel® Core™ processor i7/ i5/ i3, Pentium®/ Celeron®/ H81 Mini-ITX motherboard
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### Optional Accessories

CPF-67Q0-C1	CPU cooler for Intel LGA1155/1156 processor
CBK-07-87H0-00	Cable kit 2 x Two-port USB 2.0 cables 1 x One-port USB 2.0 cable 1 x Two-port USB 3.0 cable 1 x SATA power cable 2 x SATA cables