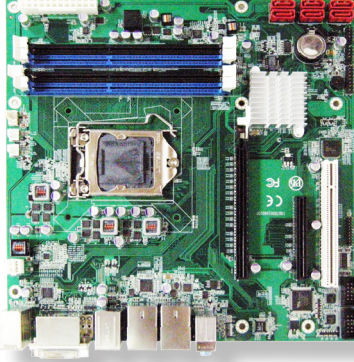


MB-i87Q0

4th Generation Intel® Core™ Processor Embedded Micro-ATX Motherboard



Features

- 4th Generation Intel® Core™ Processor supported
- Dual Gigabit Ethernet Ports
- DVI-I and DisplayPort supported
- RS-485 Auto-flow Control supported
- Intel® iAMT 9.0 supported
- RAID 0, 1, 5, 10 supported
- USB 3.0 supported

System

Processor	4 th Generation Intel® Core™ Processor i7/ i5/ i3, Pentium®/ Celeron® (Socket LGA1150)
Chipset	Intel® PCH Q87
Memory	4 x DDR3 Long-DIMM socket, supporting up to 32GB 1600MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

I/O

Super IO Chipset	Fintek F71869ED
Serial Port	2 x RS-232/422/485 selectable
Keyboard & Mouse	6-pin Mini-DIN connector for PS/2 keyboard/ mouse via Y-cable
USB 2.0	10 x USB 2.0 ports
USB 3.0/2.0	4 x USB 3.0/2.0 ports
Expansion	1 x PCI slot, 1 x PCIe x16 slot, 1 x PCIe x4 in x8 slot
Storage	6 x Serial ATA ports with 600MB/s HDD transfer rate RAID 0, 1, 5, 10 supported
Ethernet Chipset	1 x Intel® i217LM PCIe GbE PHY (iAMT 9.0 supported) 1 x Intel® i210AT PCIe GbE controller
Digital I/O	16-bit Digital I/O, 8-in & 8-out
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	1 x DVI-I connector 1 x DisplayPort connector 1.2a

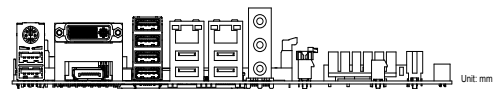
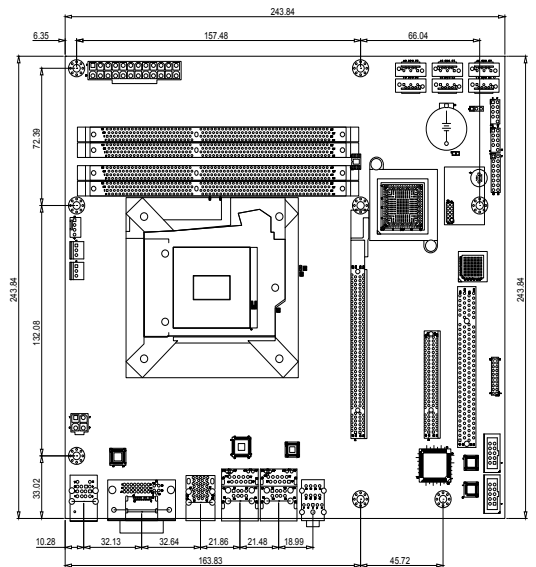
OS Support

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

Mechanical & Environmental

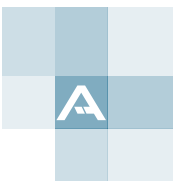
Power Input	24-pin + 4-pin ATX power connector
Power Consumption	4.67A@+12V, 0.61A@+3.3V, 0.25A@+5V with i7-4770S (Typical)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	10 ~ 95% @ 60°C (non-condensing)
Dimension (L x W)	244 x 244 mm (9.6" x 9.6")

Dimensions

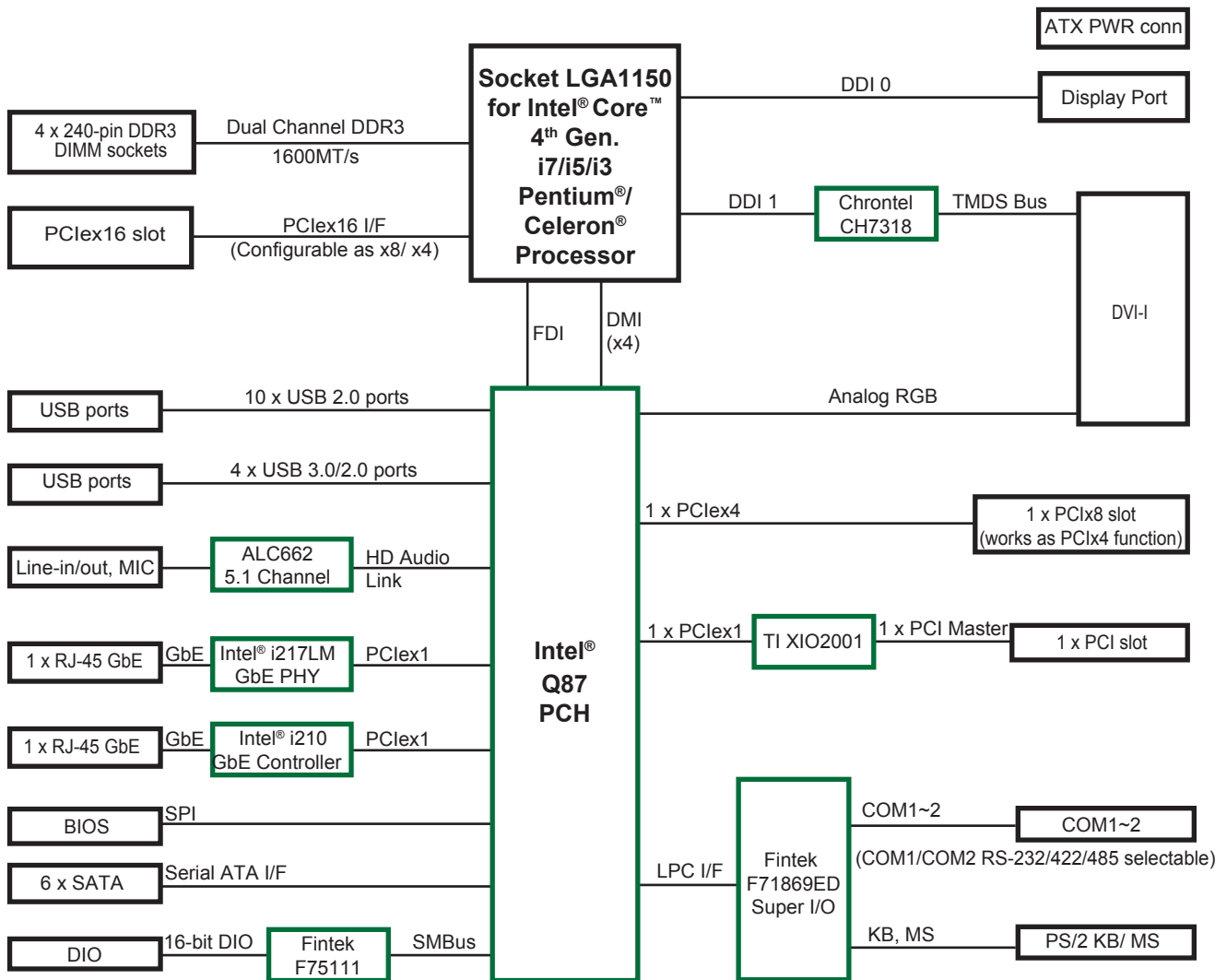


Recommended CPU List:

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

MB-i87Q0	Socket LGA1150 for 4 th Generation Intel® Core™ processor i7/ i5/ i3, Pentium®/ Celeron®/ Q87 micro ATX motherboard
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Optional Accessories

CPF-67Q0-C1	CPU cooler for Intel LGA1155/1156 processor
CBK-10-87Q0-00	Cable kit 1 x Two-serial-port cable 2 x USB cables 6 x SATA cables 1 x KB/MS Y-cable