

HiCORE-i67Q1/ i67Q2

Intel® LGA1155 2nd/ 3rd Gen. Core™ Full-size SBC



Features

- **PICMG 1.3 System Host Board (SHB Express)**
- Support Intel® LGA1155 2nd/ 3rd Gen. Processors
- Support RAID 0, 1, 5, 10
- Support Intel® Rapid Storage Technology
- Integrated Gigabit Ethernet

System

CPU	Support 2nd and 3rd Generation Intel® Core™ i7/i5/i3/ Pentium®/Celeron® processors in LGA1155 socket
Memory	2 x 240-pin DDR3 Long-DIMM sockets, supporting 1066/1333MHz SDRAM up to 8GB
Chipset	Intel® PCH Q67
BIOS	AMI PnP Flash BIOS
Watchdog Timer	1~255 levels reset

I/O

Super I/O	Fintek F71869ED
Serial Port	2 x COM ports (1 x RS-232, 1 x RS-232/422/485 selectable)
Parallel Port	SPP/EPP/ECP mode selectable
USB Port	14 x USB 2.0 ports (10 ports on CPU board, 4 ports through gold finger to backplane)
KB/MS	1 x 6-pin Mini-DIN connector for keyboard and mouse (PS/2 standard via Y-cable)
Digital I/O	8-bit programmable Digital Input/Output

Expansion Bus	4 x PCI Masters
	1 x PCIe x16 lanes
	1 x PCIe x4 lane (HiCORE-i67Q1)
	4 x PCIe x1 lanes (HiCORE-i67Q2)

Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate
	4 x Serial ATA ports with 300MB/s HDD transfer rate
	Support RAID 0, 1, 5, 10

Ethernet Chipset	2 x Intel® 82583V PCIe GbE controllers
Audio Interface	Realtek ALC886 HD Audio CODEC, Line-in/ Line-out/ MIC via audio cable

Display

Graphics Chipset	Integrated Intel® HD Graphics 200
Graphics Interface	Analog RGB supports resolution up to 2048 x 1536 @75Hz

Mechanical & Environmental

Power Connector	ATX +12V input
Power Consumption	6.75A@+12V, 1.72A@+4.94V, 1.27A@+3.3V with Intel® i7-2600 (Typical)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	10 ~ 95% @ 60°C (non-condensing)
Dimensions (L x W)	338 x 126 mm (13.3" x 4.96")

Recommended CPU List:

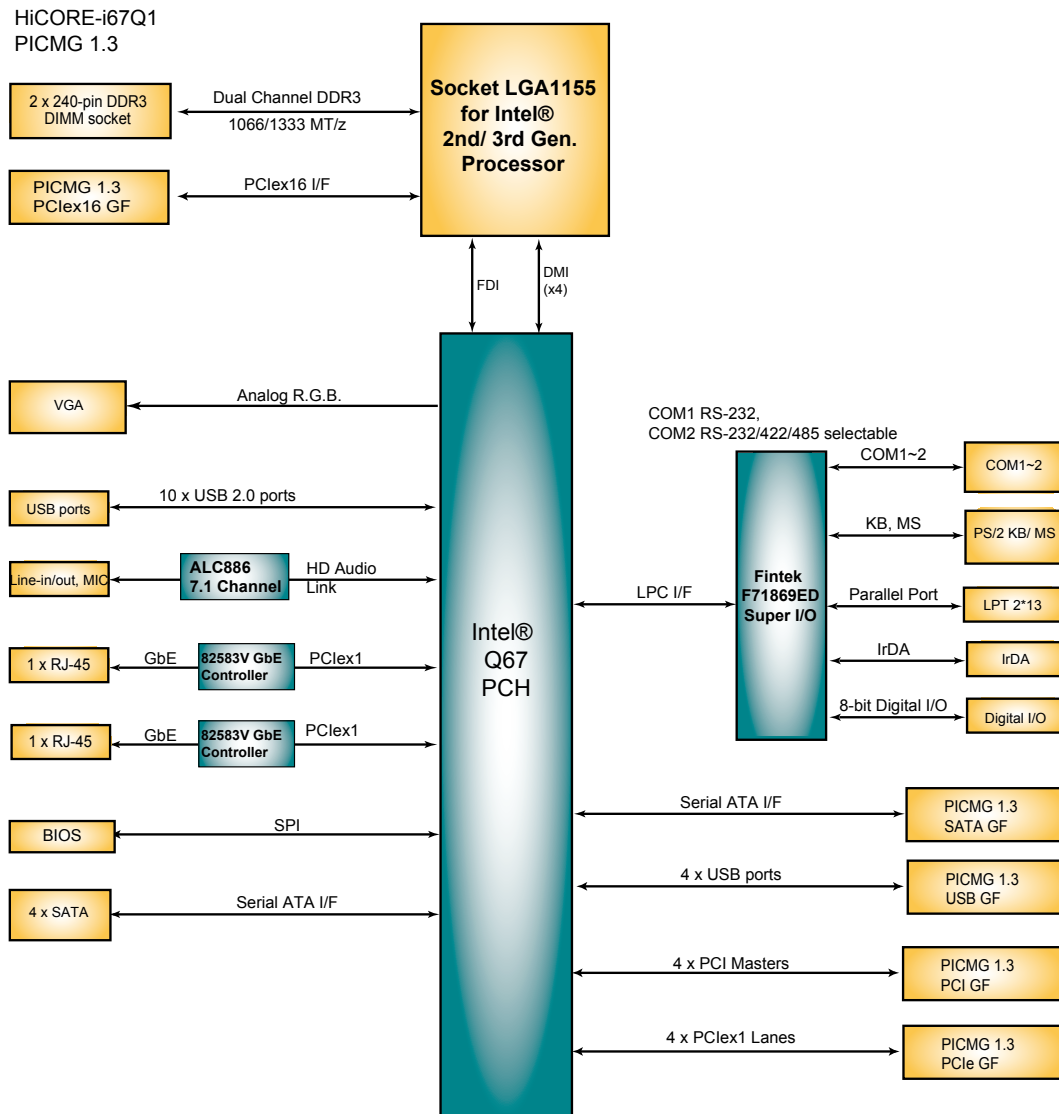
Intel® 3rd Generation

i7-3770 3.4GHz Core™ Processor
i5-3550S 3.0GHz Core™ Processor
i3-3220 3.3GHz Core™ Processor
G2120 3.1GHz Pentium® Dual Core Processor

Intel® 2nd Generation

i7-2600 3.4GHz Core™ Processor
i5-2400 3.1GHz Core™ Processor
i3-2120 3.3GHz Core™ Processor
G850 2.9GHz Pentium® Dual Core Processor
G540 2.5GHz Celeron® Dual Core Processor

Block Diagram



Ordering Information

HiCORE-i67Q1	Socket LGA1155 for Intel® 2nd/ 3rd Gen. processor full-size SBC with BIOS to support 1 x PCIe x4
HiCORE-i67Q2	Socket LGA1155 for Intel® 2nd/ 3rd Gen. processor full-size SBC with BIOS to support 4 x PCIe x4

Optional Accessories

HS-67Q1-C1	Aluminium CPU cooler for Pentium® G850
HS-67Q1-C2	Copper CPU cooler for Core-i series
PBPE-10SA (BTO)	10 slots PICMG 1.3 backplane
PBPE-13SA	13 slots PICMG 1.3 backplane

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