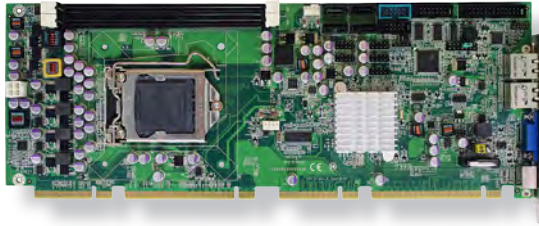


HiCORE-i67Q1/ i67Q2

Intel® LGA1155 Sandy Bridge Full-size SBC



Features

- **PICMG 1.3 System Host Board (SHB Express)**
- Support Intel® LGA1155 Sandy Bridge Processors
- 2 x DDR3 Long-DIMM Sockets up to 8GB
- Multi-expansion (6 x SATA, 2 x Serial ports, 14 x USB, 4 x PCI Masters, 4 x PCIe x1 Lanes, 1 x PCIe x16 Lanes)
- Support RAID 0, 1, 5, 10
- Support Intel® Rapid Storage Technology

System

CPU Socket LGA1155 for Intel® Sandy Bridge Processors

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

2 x Serial ATA ports with 600MB/s HDD transfer rate

Storage 4 x Serial ATA ports with 300MB/s HDD transfer rate

Support RAID 0, 1, 5, 10

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)

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

4 x PCI Masters

Expansion Bus 1 x PCIe x16 lanes

1 x PCIe x4 lane (HiCORE-i67Q1)
4 x PCIe x1 lanes (HiCORE-i67Q2)

Ethernet

Chipset 2 x Intel 82583V PCIe Gigabit Ethernet controllers

Audio

CODEC/Interface Realtek ALC886 HD Audio, Line-in/ Line-out/ MIC via audio cable

Display

Graphics Chipset Integrated Intel® HD Graphics 200

Graphics Interface Analog RGB support 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

Operating Temp. 0 ~ 60°C (32 ~ 140°F)

Operating Humidity 0 ~ 95% (non-condensing)

Dimensions (L x W) 338 x 126 mm (13.3" x 4.96")

Ordering Information

HiCORE-i67Q1 Socket LGA1155 for Intel® Sandy Bridge processor full-size SBC with BIOS to support 1 x PCIe x4

HiCORE-i67Q2 Socket LGA1155 for Intel® Sandy Bridge processor full-size SBC with BIOS to support 4 x PCIe x1

HS-67Q1-C1 Aluminium CPU cooler for Pentium® G850

HS-67Q1-C2 Copper CPU cooler for Core-i series

PBPE-07SA 7 slots PICMG 1.3 backplane

PBPE-10SA 10 slots PICMG 1.3 backplane

PBPE-13SA 13 slots PICMG 1.3 backplane

Recommended CPU List:

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