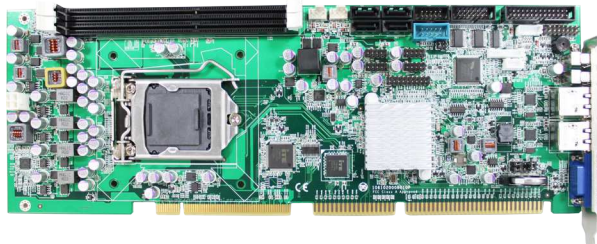




HiCORE-i61H2

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



Features

- **PICMG 1.0 Specification**
- Support Intel® LGA1155 2nd/ 3rd Gen. Processors
- Integrated Dual Gigabit Ethernet
- 2 X DDR3 Long-DIMM Sockets

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 1333MHz SDRAM up to 16GB
Chipset	Intel® PCH H61
BIOS	AMI PnP Flash BIOS
TPM1.2	Support TPM daughterboard via LPC connector
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	10 x USB 2.0 ports
KB/MS	6-pin wafer connector for keyboard and mouse via Y-cable
Parallel Port	SPP/EPP/ECP mode selectable
Digital I/O	8-bit programmable Digital Input/Output, 4-in/4-out
Expansion Bus	16-bit ISA + 32-bit PCI (doesn't support ISA master bus devices)
Storage	4x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	2 x Realtek RTL8111 PCIe GbE controllers
Audio	One 1x9-pin wafer connector for HD Audio daughterboard

Display

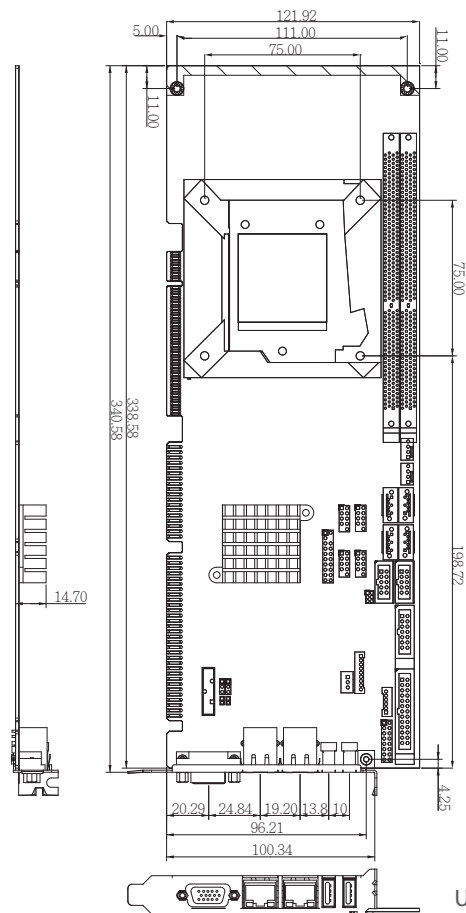
Graphics Chipset	Integrated Intel® HD Graphics 2000 for Intel® 2nd Generation Integrated Intel® HD Graphics 4000 for Intel® 3rd Generation
Graphics Interface	Analog RGB supports resolution up to 2048 x 1536 @75Hz

Recommended CPU List:	2 nd Generation Intel® Core™
3 rd Generation Intel® Core™	i7-2600 quad-core 3.4GHz
i7-3770 quad-core 3.4GHz	i5-2400 quad-core 3.1GHz
i5-3550S quad-core 3.0GHz	i3-2120 dual-core 3.3GHz
i3-3220 dual-core 3.3GHz	Intel® Pentium® Processor G850 dual-core 2.9GHz
Intel® Pentium® Processor G2120 dual-core 3.1GHz	Intel® Celeron® Processor G540 dual-core 2.5GHz

Mechanical & Environmental

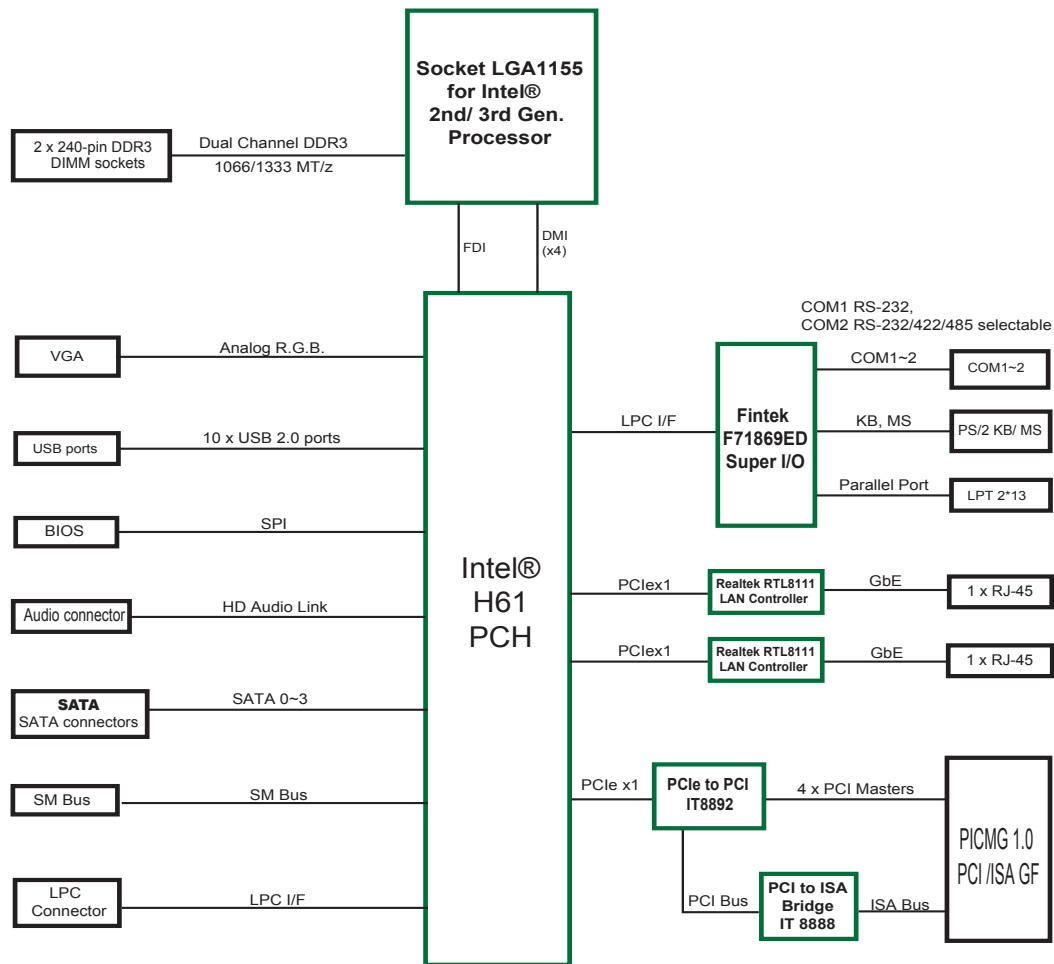
Power Connector	ATX +12V input
Power Consumption	3.98A@+12V, 2.40A@+5V, 0.18A@+3.3V with Intel® i7-3770 (Typical)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	10 ~ 95% @ 60°C (non-condensing)
Dimensions (L x W)	338 x 122 mm (13.3" x 4.8")

Dimensions



All specifications are subject to change without notice.

Block Diagram



Ordering Information

HiCORE-i61H2	Socket LGA1155 for Intel® 2nd/ 3rd Gen. processor full-size SBC
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Optional Accessories

HS-67Q1-C2	Copper CPU cooler for Core-i series
FCDB-1111	Realtek ALC888 HD Audio daughterboard
PBPI-8SA	8 slots PICMG 1.0 (Full-size PCI/ISA) Passive Backplane
PBPI-10SA	10 slots PICMG 1.0 (Full-size PCI/ISA) Passive Backplane
PBPI-14SA	14 slots PICMG 1.0 (Full-size PCI/ISA) Passive Backplane
PBPI-14P7	14 slots PICMG 1.0 (Full-size PCI/ISA) Backplane