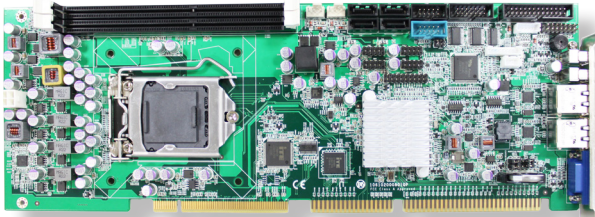


# HiCORE-i61H2

2<sup>nd</sup>/3<sup>rd</sup> Generation Intel® Core™ Processor Full-size SBC



## Features

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

## System

Processor	2 <sup>nd</sup> /3 <sup>rd</sup> Generation Intel® Core™ i7/i5/i3, Pentium®/ Celeron® Processor (Socket LGA1155)
Chipset	Intel® PCH H61
Memory	2 x DDR3 Long-DIMM socket, supporting up to 16GB 1066/1333 MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

## I/O

Super IO Chipset	Fintek F71869ED
Serial Port	1 x RS-232 1 x RS-232/422/485 selectable
Parallel port	SPP/EPP/ECP mode selectable
Keyboard & Mouse	6-pin wafer connector for PS/2 keyboard/ mouse via Y-cable
USB 2.0	10 x USB 2.0 ports
Expansion	PCI/ ISA golden finger
Storage	4 x Serial ATA ports with 300MB/s HDD transfer rate
Ethernet Chipset	2 x Realtek® RTL8111 PCIe GbE controllers
Digital I/O	8-bit Programmable
Audio Interface	HD AUDIO Link

## Display

Graphic Chipset	Integrated Intel® HD Grapics depends on CPU: 2 <sup>nd</sup> Gen. Core: HD Graphics 2000 3 <sup>rd</sup> Gen. Core: HD Graphics 2500 (i5/i3)/ 4000 (i7)
Graphic Interface	Analog RGB with resolution up to 2048x1536

## OS Support

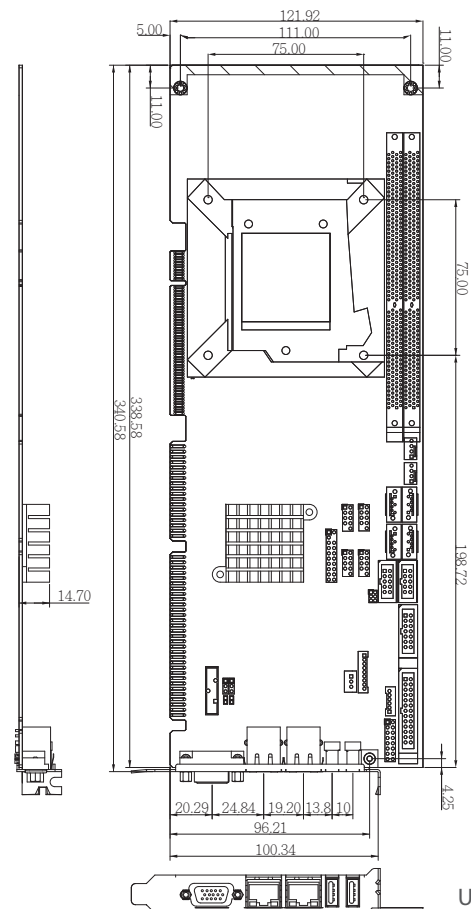
Windows XP 32/64-bit  
Windows 7 32/64-bit  
Windows 8.1 32/64-bit

Recommended CPU List:	
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® G850 Dual-Core 2.9GHz
i7-2600 Quad-Core 3.4GHz	Intel® Celeron® G540 Dual-Core 2.5GHz

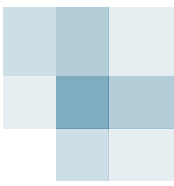
## Mechanical & Environmental

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

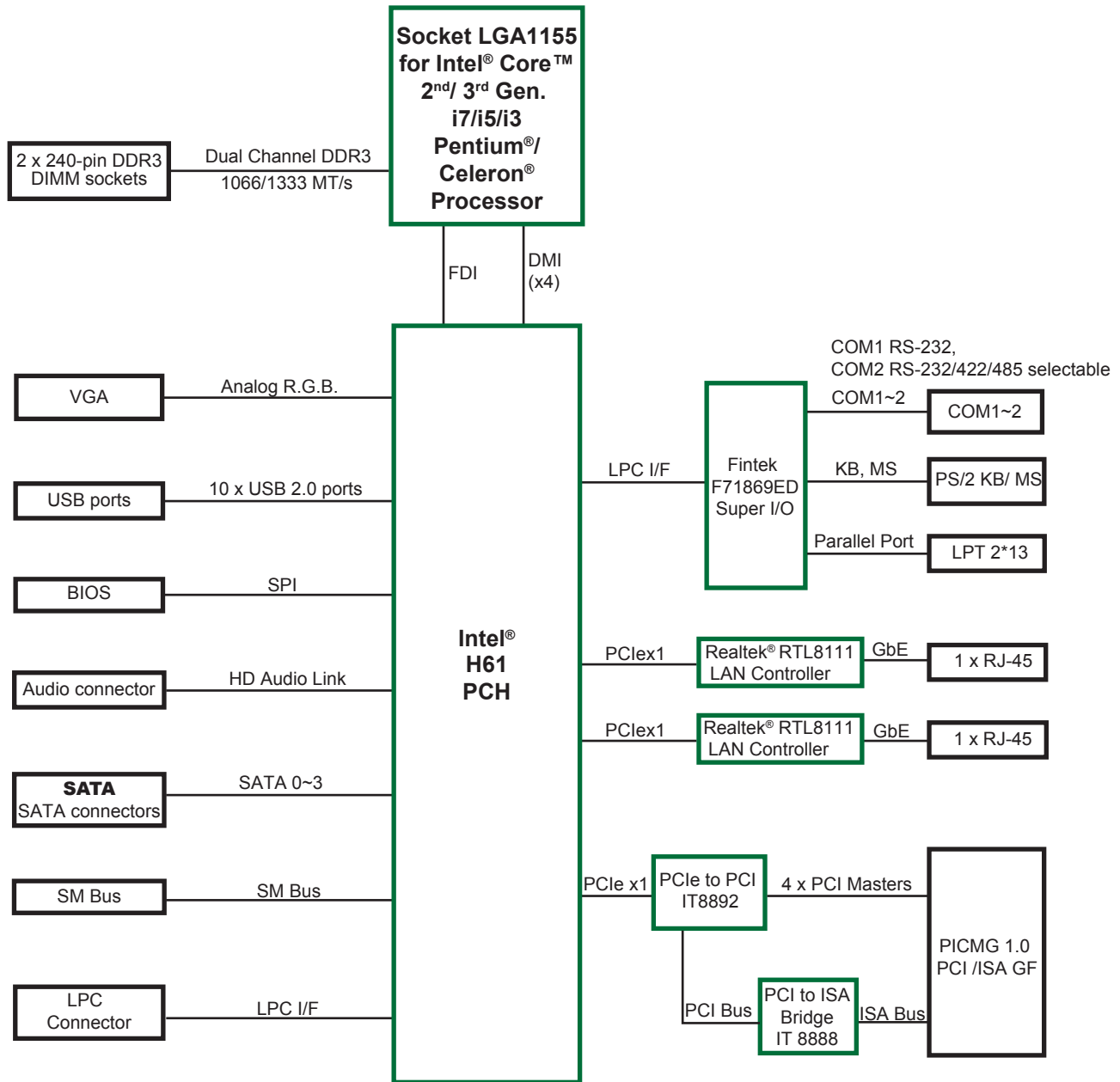
## Dimensions



Unit:mm



## Block Diagram



### Ordering Information

HiCORE-i61H2	Socket LGA1155 for 2 <sup>nd</sup> /3 <sup>rd</sup> Generation Intel® Core™ processor i7/ i5/ i3, Celeron®/ Q67 PICMG 1.0 full size SBC
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### Optional Accessories

HS-67Q1-C2	Copper CPU cooler for Intel® Core™ processor series
FCDB-1111	Realtek® ALC888 HD Audio daughter board
PBPI-8SA	8-slot (PICMG slot x 2, PCI slot x 4, ISA slot x 3) PICMG 1.0 backplane
PBPI-10SA	10-slot (PICMG slot x 2, PCI slot x 4, ISA slot x 4) PICMG 1.0 backplane
PBPI-14SA	14-slot (PICMG slot x 2, PCI slot x 4, ISA slot x 8) PICMG 1.0 backplane
PBPI-14P7	14-slot (PICMG slot x 2, PCI slot x 7, ISA slot x 5) PICMG 1.0 backplane