

# IH61MF-Q5 Motherboard



- Socket LGA 1155
- Supported the Intel 3rd and 2nd generation Core i7/ i5/ i3 processors in the 1155 package
- Supported 2 DIMM of DDR3 1600/1333/1066MHz

## Specification

|                  |                                                                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU SUPPORT      | Maximum CPU TDP (Thermal Design Power) : 95Watt                                                                                                                                      |
| MEMORY           | Support Dual Channel DDR3 1066/1333/1600 MHz<br>2 x DDR3 DIMM Memory Slot<br>Max. Supports up to 16GB Memory                                                                         |
| INTEGRATED VIDEO | By CPU model                                                                                                                                                                         |
| STORAGE          | 4 x SATA II Connector s (3Gb/s)                                                                                                                                                      |
| LAN              | Realtek RTL8111G - 10/100/1000Mb/s Controller                                                                                                                                        |
| AUDIO CODEC      | Realtek ALC662 6-Channel HD Audio                                                                                                                                                    |
| USB              | 4 x USB 2.0 Port<br>2 x USB 2.0 Header                                                                                                                                               |
| EXPANSION SLOT   | 1 x PCI-E 3.0 x16 Slot(supported by Core i5 -3xxx / Core i7 3xxx CPU)<br>1 x PCI-E 2.0 x1 Slot                                                                                       |
| REAR I/O         | 1 x PS/2 Mouse<br>1 x PS/2 Keyboard<br>4 x USB 2.0 Port<br>1 x VGA Port<br>1 x LAN Port<br>3 x Audio Jacks                                                                           |
| INTERNAL I/O     | 2 x USB 2.0 Header<br>4 x SATA II Connector (3Gb/s )<br>1 x Front Audio Header<br>1 x Front Panel Header<br>1 x CPU Fan Connector<br>1 x System Fan Connector<br>1 x COM Port Header |
| H/W MONITORING   | CPU / System Temperature Monitoring<br>CPU / System Fan Monitoring<br>Smart / Manual CPU Fan Control<br>System Voltage Monitoring                                                    |
| DIMENSION        | Micro ATX Form Factor Dimension: 19.1cm x 17cm ( W x L )                                                                                                                             |

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| OS SUPPORT      | Supports Windows XP / Vista / 7 / 8                                    |
| BUNDLE SOFTWARE | BIO-Remote2                                                            |
| ACCESSORIES     | 2 x SATA Cable<br>1 x I/O Shield<br>1 x DVD Driver<br>1 x Quick Guide  |
| FEATURES        | BIO-FLASHER<br>Supports Charger Booster<br>Supports BIOS Online Update |

## OVERVIEW

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Intel H61 chipset</b><br>The Intel® H61 Express Chipset is a single-chipset design to support the new 1155 socket Intel® 3rd/2nd Generation Core™ i7 / Core™ i5 / Core™ i3 / Pentium® / Celeron® processors. It provides improved performance by utilizing serial point-to-point links, which allows increased bandwidth and stability.              |
|    | <b>HD Audio</b><br>Provides high quality sound with minimal loss of audio fidelity.                                                                                                                                                                                                                                                                     |
|  | <b>DX11</b><br>Direct3D 11 enables Direct3D 10 APIs and Direct3D 11 APIs to use one underlying rendering device. And it allows developers to achieve a high speed, fully conformant software rasterizer.                                                                                                                                                |
|  | <b>PCIe 3.0</b><br>PCIe 3.0 is the ubiquitous and general-purpose PCI Express I/O standard. At 8GT/s bit rate, the interconnect performance bandwidth is doubled over PCIe 2.0, while preserving compatibility with software and mechanical interfaces.                                                                                                 |
|  | <b>Dual DDR3-1600</b><br>It supports 2 or 4 DIMM Slots DDR3 memory that features data transfer rates of DDR3 1600/1333. The processor support 2 memory channels and setting the memory multiplier, allows selection of the channel speed. These clearly uplift the band width and boost the overall system performance.                                 |
|  | <b>ESD Protection</b><br>ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS. |
|  | <b>USB Polyswitch</b><br>On board dedicated power fuse to help prevent USB port failure. It prevents USB Port overcurrent and safe guard your system and device lifespan.                                                                                                                                                                               |



## OC / OV / OH Protection

OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.

\*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!



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