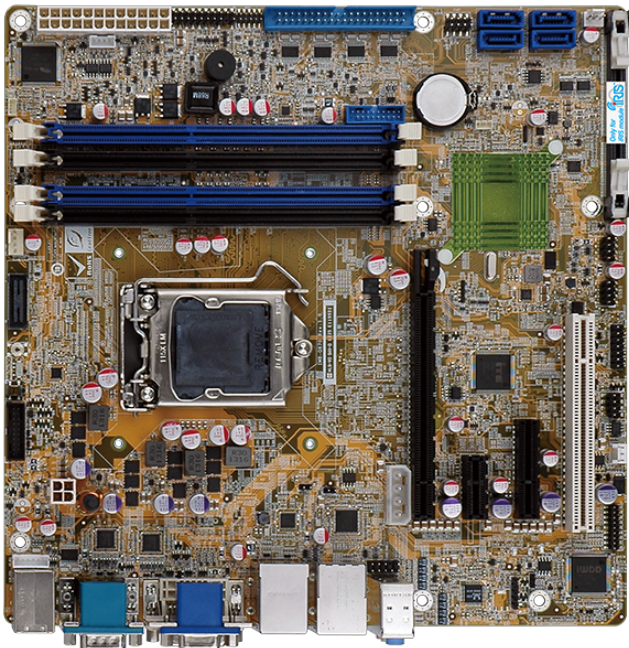


# IMB-Q870

microATX motherboard supports 22nm LGA1150 Intel® Core™ i7/i5/i3, Pentium® and Celeron® CPU per Intel® Q87



## Features

- » LGA1150 4th generation Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported
- » Dual-channel DDR3 1600/1333 MHz supported
- » Intel® PCIe GbE with Intel® AMT 9.0 support
- » Support triple display via HDMI™, DVI, VGA and iDP
- » Support PCI Express generation 3.0 at 8GT/s I/O bandwidth
- » USB 3.0 and SATA 6Gb/s supported
- » IEI jumper-less function
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery
- » Support IPMI 2.0 via iRIS-2400 module

## Specifications

|                          |   |
|--------------------------|---|
| System                   |   |
| CPU                      | LGA1150 Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor supported     |
| Chipset                  | Intel® Q87  |
| Memory                   | Four 240-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs |
| Memory Max.              | 32GB  |
| Physical Characteristics |   |
| Dimensions (LxWxH) (mm)  | 244 X 305   |
| Net Weight               | 700g  |
| Storage                  |   |
| Storage                  | 6 x SATA :6Gb/s (RAID 0/1/5/10 supported)                                   |
|                          | 1 x mSATA :colay SATA 6   |
| I/O Interface            |   |
| Display Output           | 1 x VGA :up to 1920x1200@60Hz   |
|                          | 1 x DVI-D :up to 2560x1600@60Hz   |
|                          | 1 x HDMI™ :up to 2560x1600@60Hz   |
|                          | 1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)     |
| Audio                    | Description: Realtek ALC662 HD Audio codec supports 5.1-channel             |
|                          | 1 x Line in :on rear IO   |
|                          | 1 x Line out :on rear IO  |
|                          | 1 x Mic :on rear IO   |
|                          | 1 x Front Audio :2x5 pin  |
| I/O Interface            | 1 x External RS-232   |
|                          | 4 x Internal RS-232 :2x20 pin, p=2.54                                       |
|                          | 1 x Internal RS-422/485 :1x4 pin, p=2.54                                    |
|                          | 4 x External USB 2.0  |
|                          | 2 x External USB 3.2 Gen1x1   |
|                          | 4 x Internal USB 2.0 :2x4 pin, p=2.54                                       |
|                          | 2 x Internal USB 3.2 Gen1x1 :2x10 pin, p=2.0                                |

|                       |   |
|-----------------------|---|
|                       | 2 x PS/2 :1 X 1X6 pin   |
| Expansion             | 1 x PCIe x16 :Gen 3   |
|                       | 1 x PCIe x4   |
|                       | 1 x PCIe x1   |
|                       | 4 x PCI Slot  |
| <b>Other Features</b> |   |
| TPM                   | 2x10 pin  |
| iRIS                  | 1 X iRIS-200 slot   |
| <b>Power</b>          |   |
| Power Consumption     | 3.3V@0.53A, 5V@4.96A, 12V@0.12A, Vcore_12V@3.95A, 5VSB@0.18A<br>(Intel® Core™ i7-4770K 3.90 GHz CPU with 16 GB (4x4 GB) 1333 MHz DDR3 memory) |
| Power Supply          | Support ATX mode  |
| <b>Environment</b>    |   |
| Operating Temperature | -20°C ~ 60°C  |
| Storage Temperature   | -30°C ~ 70°C  |
| Humidity              | 5% ~ 95%, non-condensing  |
| <b>Certifications</b> |   |
| Safety & EMC          | CE/FCC compliant  |

## Ordering Information

|                 |  |
|-----------------|--|
| IMB-Q870-i2-R10 | Micro ATX Motherboard supports 22nm LGA1150 Intel Core™ i7/i5/i3/Pentium and Celeron CPU per Intel Q87,DDR3,HDMI™ / DVI-D/ VGA / DP,Dual Intel PCIe GbE,USB 3.0,SATA 6Gb/s,Six Serial Ports, Audio, iRIS-2400 and RoHS |
|-----------------|--|

## Packing List

|                                       |                |
|---------------------------------------|----------------|
| 1 x IMB-Q870-i2 single board computer | 2 x SATA cable |
| 1 x I/O shielding                     | 1 x QIG        |