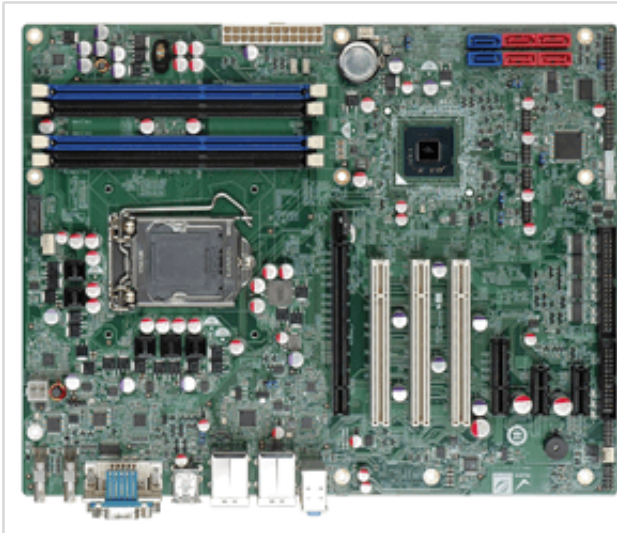


# IMBA-Q770

ATX motherboard supports 22nm LGA1155 Intel® Core™ i7/i5/i3 CPU with Intel® Q77



## Features

- » LGA1155 Intel® Core™ i7/i5/i3 processor supported
- » Dual-channel DDR3 1600/1333 MHz supports up to 32 GB
- » Intel® PCIe GbE with Intel® AMT 8.0 supported
- » Supports 3 displays with 2 displays in combination of HDMI™, DVI and VGA
- » Supports PCI Express generation 3.0 at 8GT/s I/O bandwidth
- » USB 3.0 and SATA 6Gb/s supported
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

|                        |  |
|------------------------|--|
| <b>CPU Cooler</b>      |  |
| CPU Cooler             | CF-1156A-RS-R11  |
|                        | CF-1156C-RS  |
|                        | CF-1156D-RS  |
|                        | CF-1156E-R11   |
| <b>Display</b>         |  |
| Display                | Dual HDMI™ (HDMI™ signal only) integrated in Intel® Q77 (up to 1920x1200@60Hz) |
|                        | DVI-I integrated in Intel® Q77 (up to 1920x1200@60Hz)                          |
| <b>Environment</b>     |  |
| Humidity               | 5% ~ 95%, non-condensing   |
| Operating Temperature  | -10°C ~ 60°C   |
| <b>Expansion Slots</b> |  |
| Expansion Slots        | 1 x PCIe x16 slot  |
|                        | 2 x PCIe x1 slot   |
|                        | 1 x PCIe x4 slot   |
|                        | 3 x PCI slot   |
| <b>I/O Interface</b>   |  |
| Audio                  | Realtek ALC662 HD Audio codec supports 5.1-channel                             |
|                        | 3 x Audio jacks (line-out, line-in, mic-in) on rear IO                         |
|                        | 1 x Front audio (2x5 pin)  |
| Digital I/O            | 8-bit digital I/O (2x5 pin)  |
| Ethernet               | LAN1: Intel® 82583V PCIe controller  |
|                        | LAN2: Intel® 82579L PHY with Intel® AMT 8.0 support                            |
| <b>I/O Interface</b>   |  |
| I/O Interface          | 8 x Internal USB 2.0   |
|                        | 1 x Internal RS-422/485  |
|                        | 4 x Internal RS-232  |
|                        | 1 x I²C  |
|                        | 4 x USB 3.0  |
|                        | 4 x USB 2.0  |
|                        | 1 x SMBus  |
|                        | 1 x RS-232   |

|                       |   |
|-----------------------|---|
|                       | 1 x KB/MS   |
|                       | 2 x LAN LED   |
|                       | 1 x LPT   |
| <b>Power</b>          |   |
| Power consumption     | 3.3V@1.39A, 5V@4.63A, Vcore@2.25A, 12V@0.47A, 5VSB@0.14A<br>(Intel® 2.4GHz CPU with four 1333 MHz 2 GB DDR3 memory) |
| <b>System</b>         |   |
| Chipset               | Intel® Q77  |
| CPU                   | Intel® Core™ i7/i5/i3 quad/dual core processor  |
| CPU Socket            | LGA1155   |
| Memory Max.           | Four 240-pin 1600/1333 MHz dual-channel DDR3 SDRAM unbuffered DIMMs supported<br>(system max. 32 GB)                |
| Storage               | 2 x SATA 6Gb/s (RAID 0/1/5/10 support)<br>4 x SATA 3Gb/s (RAID 0/1/5/10 support)                                    |
| <b>Watchdog Timer</b> |   |
| Watchdog Timer        | Software programmable supports 1~255 sec. system reset  |

## Ordering Information

|               |  |
|---------------|--|
| IMBA-Q770-R10 | ATX Motherboard supports 22nm LGA1155 Intel Core i7/i5/i3 CPU per Intel Q77,DDR3,Three Independent Displays of Dual HDMI™ / DVI-I,Dual Intel PCIe GbE,USB 3.0,SATA 6Gb/s,HD Audio and RoHS |
|---------------|--|

## Packing List

|                                     |                      |
|-------------------------------------|----------------------|
| 1 x IMBA-Q770 single board computer | 4 x SATA cable       |
| 1 x DVI-I to VGA adapter            | 1 x Mini jumper pack |
| 1 x I/O shielding                   | 1 x QIG              |