

IMB-Q770

microATX 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
- » Supports multiple scalable serial ports
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

| | |
|-----------------------|--|
| CPU Cooler | |
| CPU Cooler | CF-1156A-RS-R11 |
| | CF-1156C-RS |
| | CF-1156D-RS |
| | CF-1156E-R11 |
| Display | |
| Display | Dual HDMI™ (HDMI™ signal only) integrated in Intel® Q77 (up to 1920x1200@60Hz) |
| | DVI-I integrated in Intel® Q77 (up to 1920x1200@60Hz) |
| Environment | |
| Humidity | 5% ~ 95%, non-condensing |
| Operating Temperature | 5% ~ 95%, non-condensing |
| Expansion Slots | |
| Expansion Slots | 1 x PCIe x16 slot |
| | 1 x PCIe x4 slot |
| | 1 x PCIe x1 slot |
| | 1 x PCI slot |
| I/O Interface | |
| 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 | 24-bit digital I/O (2x13 pin) |
| Ethernet | LAN1: Intel® 82583V PCIe controller |
| | LAN2: Intel® 82579 PHY with Intel® AMT 8.0 support |
| I/O Interface | |
| I/O Interface | 1 x RS-232 |
| | KB/MS |
| | 4 x Internal USB 2.0 |
| | 1 x Internal RS-422/485 |
| | 8 x Internal RS-232 |
| | 1 x I ² C |
| | 1 x SMBus |
| | 2 x USB 2.0 |

| | |
|-----------------------|--|
| | 4 x USB 3.0 |
| Power | |
| Power consumption | 3.3V@0.31A, 5V@2.91A, 12V@0.51A, 12V@2.12A, -12V@0.10A |
| | (Intel® Core™ i3 3200 3.2GHz CPU with four 1333 MHz 1 GB DDR3 memory) |
| System | |
| 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 (system max. 32 GB) |
| Storage | 2 x SATA 3Gb/s (RAID 0/1/5/10 support) |
| | 2 x SATA 6Gb/s (RAID 0/1/5/10 support) |
| Watchdog Timer | |
| Watchdog Timer | -10°C ~ 60°C |

Ordering Information

| | |
|--------------|--|
| IMB-Q770-R10 | Micro 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 IMB-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 |