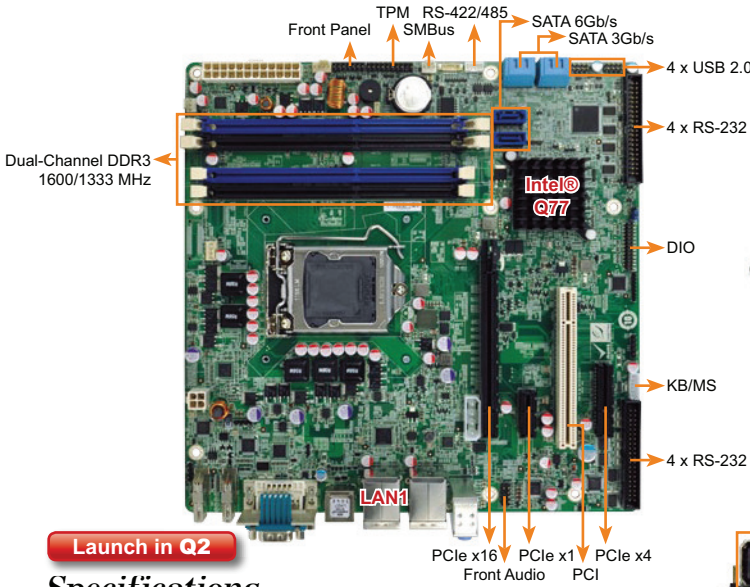


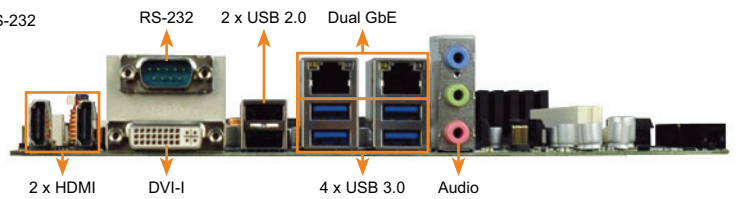
IMB-Q770

microATX Motherboard Supports 22nm LGA1155 Intel® Core™ i7/i5/i3 CPU with Intel® Q77, DDR3, Three Independent Displays via Dual HDMI/DVI-I, Dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, Ten Serial Ports, HD Audio and RoHS



LGA1156 CPU cross compatibility

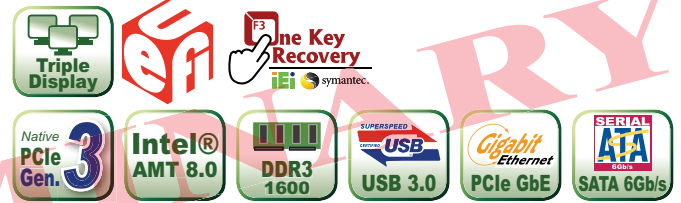
This LGA1155 socket compatible with 3rd (IVB) and 2nd (SNB) CPU. It can get one year expanded product lifespan and the new technologies when you use backward 2nd CPU on Intel 7 series platform.



Launch in Q2

Specifications

- ◆ CPU
LGA1155 socket supports Intel® Core™ i7/i5/i3 quad/dual core processor
- ◆ System Chipset
Intel® Q77
- ◆ Memory
Four 240-pin 1600/1333MHz dual-channel DDR3 SDRAM unbuffered DIMMs supported (system max. 32GB)
- ◆ BIOS
UEFI BIOS
- ◆ Ethernet
Intel® 82583V PCIe controller
Intel® 82579 PHY with Intel® AMT 8.0 supported
- ◆ Graphics Engine
Intel® HD Graphics Gen 7 supports DX11 and OpenCL 1.1
Full MPEG2, VC1, AVC Decode
- ◆ Display Output
Dual HDMI integrated in the Intel® Q77
DVI-I integrated in the Intel® Q77
- ◆ Super I/O
Fintek F81866
- ◆ Audio
Realtek ALC662 HD audio codec (Line-in, Line-out, Mic)
- ◆ I/O interface
 - 9 x RS-232
 - 1 x RS-422/485
 - 4 x USB 3.0 (rear I/O)
 - 6 x USB 2.0 (2 on rear, 2 by pin header)
 - 4 x SATA 6Gb/s
 - 2 x SATA 3Gb/s
 - 1 x 6-pin wafer for PS/2 KB/MS
- ◆ Front Audio
2 x 5-pin header
- ◆ Front Panel
1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- ◆ TPM
2 x 10-pin header
- ◆ SMBus
1 x 4-pin wafer
- ◆ I2C
1 x 4-pin wafer
- ◆ Infrared Interface
1 x 5-pin infrared by pin header
- ◆ Expansions
 - 1 x PCIe x16 slot
 - 1 x PCIe x4 slot
 - 1 x PCIe x1 slot
 - 1 x PCI slot
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset
- ◆ Digital I/O
24-bit Digital I/O (12-bit input, 12-bit output)
- ◆ Fan Connector
1 x 4-pin CPU fan connector
2 x 3-pin system fan connector
- ◆ Power Supply
ATX power supply
- ◆ 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 1333MHz 1GB DDR3 memory)
- ◆ Operating Temperature
-10°C ~ 60°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions
244 mm x 305 mm
- ◆ Weight
GW: 1200g/NW: 700g



Features

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

Packing List

| | |
|---|----------------------|
| 1 x IMB-Q770 single board computer | |
| 1 x DVI-I to VGA adapter (P/N: 33Z00-000031-RS) | |
| 4 x SATA cable (P/N: 32801-000703-200-RS) | 1 x Mini jumper pack |
| 1 x I/O shielding | 1 x Utility CD |
| 1 x One Key Recovery CD | 1 x QIG |

Ordering Information

| Part No. | Description |
|---------------------|--|
| IMB-Q770-R10 | microATX motherboard supports 22nm LGA1155 Intel® Core™ i7/i5/i3 CPU with Intel® Q77, DDR3, three independent displays via dual HDMI/DVI-I, dual Intel® PCIe GbE, USB 3.0, SATA 6Gb/s, ten serial ports, HD Audio and RoHS |
| 19800-003100-100-RS | Dual-port USB cable with bracket |
| 32205-003800-100-RS | RS-422/485 cable, 200mm |
| 19800-000051-RS | RS-232 cable, 230mm |
| 32102-000100-200-RS | SATA power cable |
| 19800-000075-RS | PS/2 KB/MS Y-cable with bracket, 220mm |
| CF-1156A-RS | High performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, 73W |
| CF-1156B-RS | High performance LGA1155/LGA1156 cooler kit, 95W |
| CF-1156C-RS | LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W |
| CF-1156D-RS | LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W |
| TPM-IN01-R11 | 20-pin Infineon TPM module, SW management tool, firmware V3.17 |