

# 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 <sup>2</sup> C
	1 x SMBus
	2 x USB 2.0

	4 x USB 3.0
<b>Power</b>	
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)
<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 (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)
<b>Watchdog Timer</b>	
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
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## 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