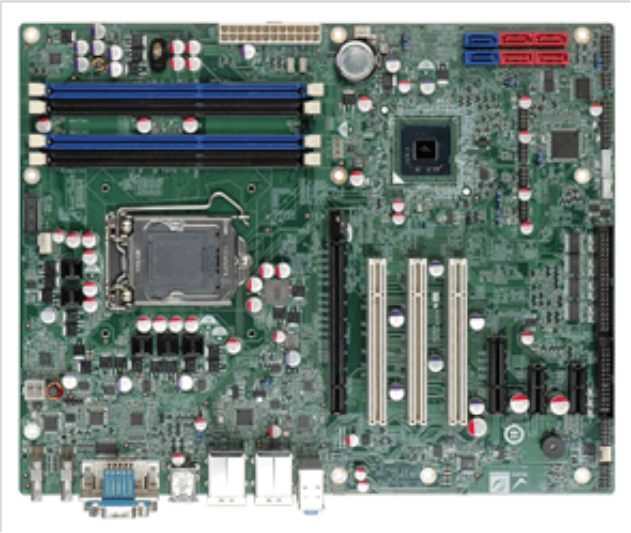
IMBA-Q770

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

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	-10°C ~ 60°C
Expansion Slots	
Expansion Slots	1 x PCIe x16 slot
	2 x PCIe x1 slot
	1 x PCIe x4 slot
	3 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	8-bit digital I/O (2x5 pin)
Ethernet	LAN1: Intel® 82583V PCIe controller
	LAN2: Intel® 82579L PHY with Intel® AMT 8.0 support
I/O Interface	
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
Power	
Power consumption	3.3V@1.39A, 5V@4.63A, Vcore@2.25A, 12V@0.47A, 5VSB@0.14A
	(Intel® 2.4GHz CPU with four 1333 MHz 2 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 6Gb/s (RAID 0/1/5/10 support)
	4 x SATA 3Gb/s (RAID 0/1/5/10 support)
Watchdog Timer	
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