



# WSBC-Q771

**Intel Q77 chipset based PICMG1.3 SBC with DDR3 SDRAM, VGA, DVI, Dual LAN, HD Audio, 4COM.**



## Features

- Support Intel® LGA1155 Gen3 Core i7/i5/i3 Processor
- Support dual display for VGA and DVI
- Support RAID 0,1,5,10 and AMT 8.0
- Dual Intel Gigabit Ethernet support
- miniPCIe with mSATA support

### Product Specification

System Processor/Chipsets	
Processor	Intel Core i7/i5/i3 processors
	LGA1155
Chipset	Intel® Q77
BIOS	AMI
Memory	
Technology	DDR3 1333/1600 MHz SDRAM
Max. Capacity	Up to 16GB DDR3 DRAM
Socket	2 x 240Pin DIMM
Display	
Chipset	Chipset integrated Intel HD Graphics
Video Memory	Shared system memory is subject to OS
Resolution	Analog Display: Up to 2048 x 1536
Dual Display	CRT+DVI
Ethernet	
Interface	Dual 10/100/1000 Mbps
Controller	LAN1: Intel 82583V LAN2: Intel 82583V
Audio	
Interface	High Definition Audio
Controller	Realtek ALC662 HD CODEC
SATA	
Max. Data Transfer Rate	SATA II 3Gb/s, SATA III 6Gb/s
Port	2 x SATA II, 2 x SATA III
Expansion Slot	
PCI	4
USB 2.0	4
SATA	2 x SATAII
PCIe x 16	1
PCIe x 4	1
Onboard Pin-Header	
USB 2.0	4
USB 3.0	2
SATA II	2 (one share with mSATA, one share with SATA DOM)
SATA III	2
DIO	4 in/4 out
COM	4 (3xRS-232, 1xRS-232/422/485)
SMBUS	1
IR	1
TPM	1
mini-PCIe/m-SATA	1
Parallel	1

Rear I/O	
PS/2	1
VGA	1
USB 3.0	1
LAN	2xRJ45
Power	
ATX	1
Watchdog Timer	
Interval	Programmable 1~255 sec./min.
Output	Sytsstem reset
Environment	
Operating Temp.	-5°C~60°C (23°F~140°F)
Storage Temp.	-20°C~80°C (-68°F~176°F)
Relative Humidity	0%~95% (non-condensing)
Form Factor	
Dimension (LxW)	PICMG 1.3 Full-size SBC, 338.5mm x 122mm (13.3" x 4.8"), 6 layer

### Rear I/O



### Ordering Information

#### WSBC-Q771

Support Intel Socket LGA1155, Intel Core i7/i5/i3 processor with Q77 chipset, 2 x DDR3 DIMM up to 16GB, 2 x GbE LAN, Onboard VGA/DVI, 6 x SATA(4 on SHB,2 on BP), HD Audio, 1 x mSATA, 4 x COM(3 x RS-232 & 1x RS232/422/485), 2 x USB 3.0, 8 x USB 2.0, PCI Express x16, PCI Express x4, 4 x PCI, PICMG 1, 3 SBC board.

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