

SPC-QM770

3rd Generation Intel® Core i7/i5/i3 processors based Mini ITX with DDR3 SDRAM, VGA, DVI, Dual LVDS, Dual Gigabit LAN, Audio and USB.



System processor/Chipsets	
Processor	3rd Generation Intel® Core i7/i5/i3/Celeron processors, 2nd Generation Intel Intel® Core i7/i5/i3/Celeron processors Socket G2 (rPGA988B)
Chipset	Intel® QM77 Express Chipset
BIOS	AMI
Memory	
Technology	3rd Generation Processors DDR3 1066/1333/1600 2nd Generation Processors DDR3 1066/1333 MHz (i5/Celeron) DDR3 1600 MHz (i7)
Max. Capacity	Up to 16GB DDR3 DRAM
Socket	2 x DDR3 SO-DIMM
Display	
Chipset	Intel® HD Graphics
VRAM	Shared system memory up to 2GB
Resolution	Analog Display: Up to 2048 x 1536
LVDS 1	24bit, dual channel max resolution up to 1920 x 1200
LVDS 2	24bit, dual channel max resolution up to 1920 x 1200
Dual Display	CRT+LVDS, CRT+DVI, DVI+LVDS, LVDS1+ LVDS2
Ethernet	
Interface	2 x PCIE x1 Gigabit LAN 10/100/1000 Mb/s
Controller	LAN1: Intel® 82579LM LAN2: Intel® 82574L
Audio	
Interface	High Definition Audio
Controller	Realtek ALC662 HD CODEC
SATA	
Max. Data Transfer Rate	SATA II: 3.0Gb/s; SATAIII: 6.0Gb/s
Port	SATA II x4: Support RAID(RAID0, RAID1, RAID5/RAID10) SATA III x2: support RAID(RAID0, RAID1)

Features:

- Support 3rd Generation Core i7/i5/i3 22nm processors
- 2 x DDR3 SO-DIMM (w/o ECC), up to 16GB
- Support CRT, DVI and LVDS (dual display)
- 2 x SATA III, 4 x SATA II, 4 x USB 3.0, 4 x USB 2.0, 4 x COM
- 2 x Gigabit LAN, 2 x mini PCI-E
- 8-bit Digital I/O
- Optional AMT 8.0, RAID 0, 1, 5, 10

Expansion Slot	
PCIe x16	1
mini PCIe	2 (Full size with mSATA support by jumper selector.)
Onboard Pin-Header	
USB3.0	2
SATA III	2
SATA II	4
LVDS	2
COM	2
DIO	4 in/4 out (Sink 6Ax2)
Rear I/O	
PS/2	1 (K/B and Mouse)
VGA	1
COM	2 (1xRS232, 1xRS232/RS422/RS485) all support 12V/5V/RI Jumper selector
USB 3.0	2
USB 2.0	4
LAN	2xRJ45
Audio	3 (Line in, Line out, Mic In)
DVI	1
Power	
ATX	1
Watchdog Timer	
Interval	Programmable 1~255 sec./min.
Output	System reset
Environment	
Operating Temp.	-5°C~60°C (23°F~140°F) -20°C~70°C (-4°F~158°F);optional
Storage Temp.	-20°C~80°C (-4°F~176°F)
Relative Humidity	0%~95% (non-condensing)
Form Factor	
Dimension (LxW)	Mini-ITX 170mm x 170mm (6.69" x 6.69")

Rear I/O:

