



### Specifications

CPU	LGA1155 for 3rd Gen Intel® Core™ i7/i5/i3/ Pentium® QC/ DC processors, up to 3.4GHz
System Memory	4x DDR3 DIMM, Max. 32GB (Non-ECC)
System Chipset	MB970VF: Intel® Q77 PCH MB970F: Intel® B75 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	CFAST
H/W Monitor	Yes
Expansion Slots	1x ISA, 3x PCI, 1x PCI-E(x16), 3x PCI-E(x1)
VGA Controller	3rd Gen Intel® Core™ i7/i5/i3/ Pentium® processor integrated
VGA Memory	Max. shared memory - 1024 MB
Display Interface	Supports DVI-I, DVI-D and DisplayPort
LAN Controller	Intel® 82579LM(MB970VF) or 82579V(MB970F) Gigabit LAN PHY Intel® 82583V PCI-E Gigabit LAN
LAN Connector	RJ-45 on board
I/O Chipset	Fintek F81846AD-I 3x RS232, 1x RS232/422/485
USB	2x USB 3.0 on board 2x USB 3.0 via box header MB970VF: 10x USB 2.0 (4 ports on board + 6 ports via pin header) MB970F: 10x USB 2.0 (4 ports on board + 4 ports via pin header)
Serial ATA	MB970VF: 2x SATA III, 4x SATA II MB970F: 1x SATA III, 5x SATA II
Audio	Intel® Q77/B75 PCH built-in HD audio + Realtek ALC892 codec
Others	MB970VF: Digital I/O(4-in/4-out), RAID, TPM (1.2) MB970F: Digital I/O(4-in/4-out), EuP/ErP
Dimensions	305mm x 244mm (12" x 9.6")
Max. Power Requirement	Intel® Core™ i7-3770 3.4GHz w/ 2x 2GB DDR3-1333 +12V: 1.40A; +5V: 3.16A; +5VSB: 0.39A; +3.3V: 1.68A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

### Features

- 3rd Gen Intel® Core™ i7/i5/i3/ Pentium® QC/ DC processors, up to 3.4GHz
- 4x DDR3 DIMM, Max. 32GB
- Intel® processor integrated graphics, supports DVI-I, DVI-D and DisplayPort
- Dual Intel® Gigabit LAN
- Up to 10x USB 2.0, 4x USB 3.0, 4x COM, 4x SATA II+2x SATA III (MB970VF)  
5x SATA II+1x SATA III (MB970F)
- 1x ISA, 3x PCI, 1x PCI-E(x16), 3x PCI-E(x1)
- Watchdog timer, Digital I/O, iAMT (8.0), vPro, iSMART

### Ordering Information

MB970VF	LGA1155 Q77 ATX motherboard w/ DVI-I, DVI-D, DisplayPort, dual Gigabit LAN, RAID, iAMT (8.0), TPM(1.2), vPro, iSMART
MB970F	LGA1155 B75 ATX motherboard w/ DVI-I, DVI-D, DisplayPort, dual Gigabit LAN, EuP/ErP, iSMART

### Dimensions and Drawing

