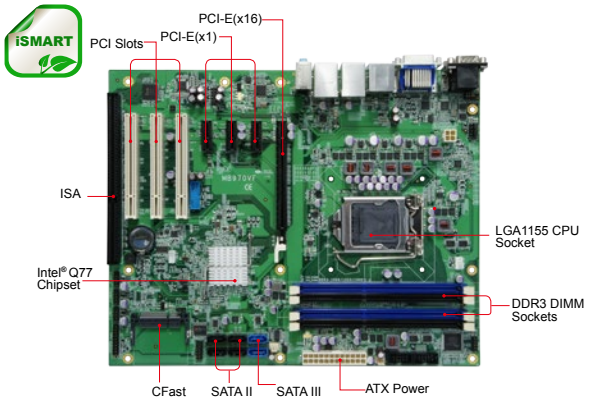
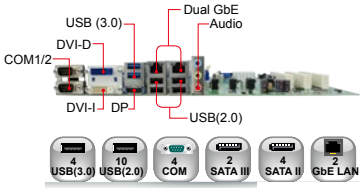
MB970

LGA1155 3rd Generation Intel® Core™ i7/i5/i3/Pentium ATX motherboard w/ Intel® Q77 PCH



*This image is for MB970VF



Features

- 3rd Generation Intel® Core™ i7/i5/i3/ Pentium® QC/ DC processors, up to 3.4GHz
- 4x DDR3 DIMM, Max. 32GB
- iSMART - for EuP/ErP power saving, auto- scheduler and power resume
- 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

System

CPU	LGA1155 for 3rd Generation Intel® Core™ i7/i5/i3/ Pentium® QC/ DC processors, up to 3.4GHz
System Memory	4x DDR3 DIMM, Max. 32GB (Non-ECC)
System Chipset	Intel® Q77 PCH(MB970VF) Intel® B75 PCH(MB970F)
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)

Graphics

VGA Controller	3rd Generation 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
Connector	RJ-45 on board

Multi I/O

I/O Chipset	Fintek F81846AD-I 3x RS232, 1x RS232/422/485, 4x SATA II, 2x SATA III (MB970VF), 5x SATA II, 1x SATA III (MB970F)
USB	2 ports on board, 2 ports via boxheader (USB 3.0) MB970VF: 4 ports on board, 6 ports via pinheader (USB 2.0) MB970F: 4 ports on board, 4 ports via pinheader (USB 2.0)
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 support

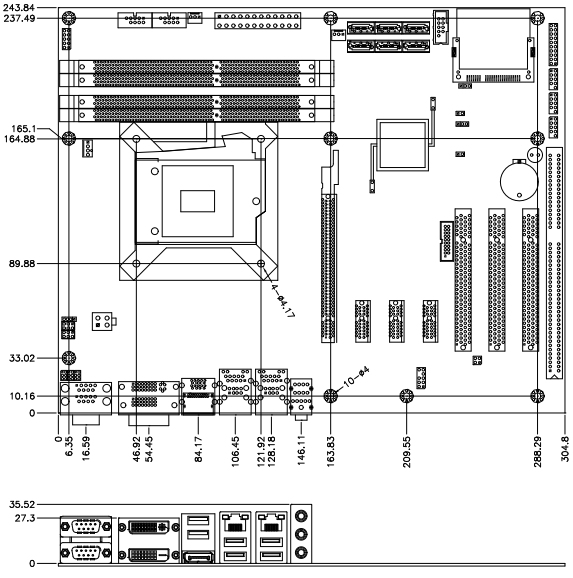
Mechanical and Environmental

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 +3.3V:1.68A +5VSB:0.39A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

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, RAID, EuP/ErP compliant, iSMART

Dimensions Drawing



Remarks: 1. Specifications are subject to change without prior notice.
2. ODM/OEM is available.
3. For user's manual & datasheet download, visit www.ibase.com.tw.