



Features

- 3rd Generation Intel® Core™ i7/i5/i3/ Pentium® / Celeron® QC/DC processors, up to 3.9GHz
- 2x DDR3 DIMM, Max. 16GB
- Intel® Core™ Processor integrated graphics HD4000, supports CRT, DVI-D
- 24-bit dual channel LVDS (IB970RF / IB970F)
- Dual Intel® Gigabit LAN
- 5x USB 2.0, 3x USB 3.0, 4x COM, 4x SATA II, 2x SATA III
- Watchdog timer, Digital I/O
- 1x Mini PCI-E

System

CPU Socket	LGA1155 for 3rd Generation Intel® Core™ i7/i5/i3 / Pentium® / Celeron® QC/ DC processors, up to 3.9GHz
System Memory	2x DDR3 DIMM, Max. 16GB (Non-ECC)
System Chipset	IB970RF: Intel® Q77 PCH IB970F/IB970: Intel® B75 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	1x Mini PCI-E

Graphics

VGA Controller	3rd Generation Intel® Core™ i7/i5/i3 / Pentium® Processor integrated HD 4000 graphics
VGA Memory	Max. shared memory – 1024MB
Display Interface	Supports CRT, DVI-D 24-bit dual channel LVDS interface (IB970F/IB970RF)

LAN

LAN Controller	Intel® 82579V Gigabit LAN PHY Intel® 82583V PCI-E Gigabit LAN
Connector	RJ-45 on board

Multi I/O

I/O Chipset	Fintek F81866AD-I 3x RS232, 1x RS232/422/485 (jumperless selection), 1x KB, 1x Mouse, IB970RF: 4x SATA II, 2x SATAIII IB970F: 5x SATA II, 1x SATAIII, IB970: 5x SATA II, 1x SATAIII, 1x LPT
USB	1x port USB 2.0 & 1x port USB 3.0 on board Headers for 4x USB 2.0 + 2x USB 3.0
Audio	Intel® Q77/B75PCH built-in HD audio controller+ Realtek ALC662 codec
Others	Digital I/O(4-in/4-out), iSMART, RAID(IB970RF only), TPM 1.2 (IB970RF / IB970F)

Mechanical and Environmental

Dimensions	338mm x 122mm (13.31" x 4.8")
Max. Power Requirement	3rd Generation Intel® Core™ i7-3770 3.4GHz w/ 2x 2GB DDR3-1333 +12V: 1.23A; +5V: 4.75A; +5VSB: 0.37A; +3.3V: 0.33A
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)

Ordering Information

IB970RF	LGA1155 Q77 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM 1.2, RAID
IB970F	LGA1155 B75 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM 1.2
IB970	LGA1155 B75 Full-Size CPU Card w/ VGA, DVI-D, LPT, dual Gigabit LAN, iSMART

Dimensions and Drawing

