



Features

- LGA1155 for 3rd Gen Intel® Core™ i7/i5/i3/ Pentium® QC/DC processors, up to 3.9GHz
- 2x DDR3 DIMM, Max. 16GB
- Intel® Processor integrated graphics device, Gfx Gen. 5.7, supports CRT, DVI-D
- iSMART - for EuP/ErP power saving, auto-scheduler and power resume
- 24-bit dual-channel LVDS
- Dual Intel® Gigabit LAN
- 3x USB2.0, 3x USB 3.0, 4x COM, 2x SATA II, 2x SATAIII
- Watchdog timer, Digital I/O, LPT, 1x Mini PCI-E

Specifications

CPU Socket	LGA1155 for 3rd Gen Intel® Core™ i7/i5/i3 / Pentium® / QC/ DC processors, up to 3.9GHz
System Memory	2x DDR3 DIMM, Max. 16GB(Non-ECC)
System Chipset	IB965RF: Intel® Q77 PCH IB965F: Intel® B75 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	1x Mini PCI-E
VGA Controller	3rd Gen 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
LAN Controller	Intel® 82579V Gigabit LAN PHY Intel® 82583V PCI-E Gigabit LAN
Connector	RJ-45 on board
I/O Chipset	Fintek F81866AD-I 1x RS232/422/485 (jumperless selection), 3x RS232, 1x KB, 1x Mouse, IB965RF: 2x SATA II, 2x SATA III, 1x LPT IB965F: 1x SATA II, 3x SATA III, 1x LPT
USB	1x USB2.0 and 1x USB 3.0 port on board 2x USB 2.0 and 2x USB 3.0 via Pin headers
Audio	Intel® Q77/B75 PCH built-in HD audio controller + Realtek ALC662 codec
Others	Digital I/O(4-in/4-out), iSMART, TPM 1.2, RAID(IB965RF only)
Dimensions	338mm x 126mm(13.31" x 4.96")
Max. Power Requirement	3rd Gen Intel® Core™ i7-3770 3.4GHz w/ 2x 2GB DDR3-1333 +12V: 1.48A; +5V: 2.57A; +5Vsb: 0.63A; +3.3V: 1.70A
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

IB965RF	LGA1155 Q77 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM (1.2), RAID
IB965F	LGA1155 B75 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM (1.2)
IP380L	PICMG 1.3 Backplane w/ 1x PCI-E(x16), 3x PCI-E(x1)

Features

- LGA1155 for 3rd Gen Intel® Core™ i7/i5/i3 / Pentium® / Celeron® processors, up to 3.4GHz
- 2x DDR3 DIMM, Max. 16GB
- Intel® processor integrated graphics device, Gfx Gen 5.7, supports CRT, DVI-D and LVDS
- Dual Intel® Gigabit LAN
- 9x USB, 2x COM, 4x SATA II, 2x SATA III
- Watchdog timer, Digital I/O, 1x Mini PCI-E

Specifications

CPU Socket	LGA1155 for 3rd Gen Intel® Core™ i7/i5/i3 / Pentium® / Celeron® processors, up to 3.4GHz
System Memory	2x DDR3 DIMM, Max. 16GB(Non-ECC)
System Chipset	Intel® Q67 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	1x Mini PCI-E
VGA Controller	3rd Gen Intel® Core™ i7/i5/i3 / Pentium® QC/DC processor integrated graphics Gen 5.7
VGA Memory	Max. shared memory – 1024MB
Display Interface	Supports CRT, DVI-D and 24-bit dual-channel LVDS interface
LAN Controller	Intel® 82579V Gigabit LAN PHY Intel® 82583V PCI-E Gigabit LAN
Connector	RJ-45 on board
I/O Chipset	Winbond W83627DHG-P 1x KB, 1x mouse, 1x RS232, 1x RS232/422/485, 2x SATA II, 2x SATA III, 1x LPT
USB	1x USB 2.0 port on board 8x USB 2.0 via Pin headers
Audio	Intel® Q67 PCH built-in HD audio controller + Realtek ALC662 codec for 5.1CH
Others	Digital I/O(4-in/4-out), IrDA, RAID
Dimensions	338mm x 126mm(13.31" x 4.96")
Max. Power Requirement	Intel® Core™ i5-2400 3.1GHz w/ 2x 2GB DDR3-1333 +12V: 1.11A; +5V: 2.71A; +5VSB: 0.43A; +3.3V: 1.19A
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

IB960F	LGA1155 PICMG® 1.3 Q67 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN
IP380L	PICMG 1.3 Backplane w/ 1x PCI-E(x16), 3x PCI-E(x1)