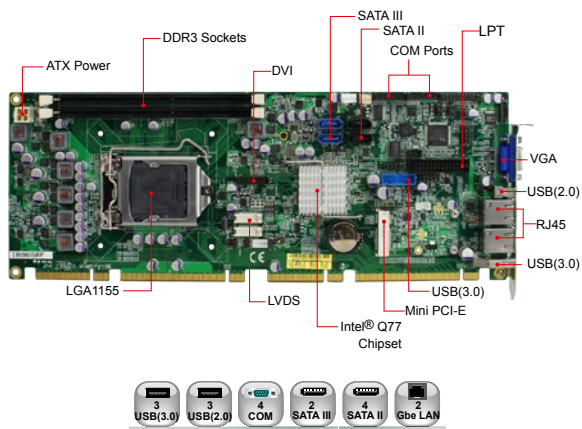


# IB965

3rd Generation Intel® Core™ i7/i5/i3/Pentium® PICMG® 1.3  
Full-Size CPU Card w/ Intel® Q77 PCH



## Features

- 3rd Generation 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 USB 2.0, 3x USB 3.0, 4x COM, 2x SATA II, 2x SATAIII
- Watchdog timer, Digital I/O, LPT, 1x Mini PCI-E

## System

CPU Socket	LGA1155 for 3rd Generation 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

## 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

## 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 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 USB 2.0 & 1x USB 3.0 port on board Pin headers for 2 ports (USB 2.0) + 2 ports (USB 3.0)
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)

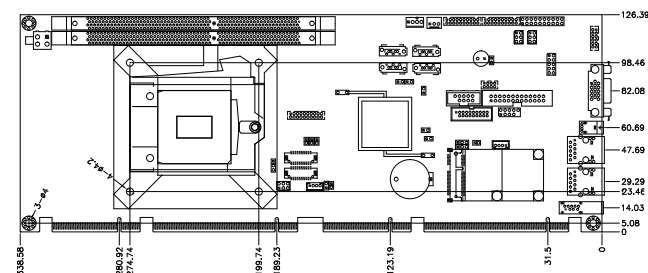
## Mechanical and Environmental

Dimensions	338mm x 126mm (13.31" x 4.96")
Max. Power Requirement	3rd Generation Intel® Core™ i7-3770 3.4GHz w/ 2x 2GB DDR3-1333 +5V: 2.57A +12V: 1.48A +3.3V: 1.70A +5Vsb: 0.63A
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

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

## 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](http://www.ibase.com.tw).