G7B330-B-G
Intel® Q965 System Board

PROCESSOR
- LGA 775 socket for:
  - Intel® Core™2 Quad
  - Intel® Core™2 Duo (Conroe family)
  - Intel® Pentium® D
  - Intel® Pentium® 4 or Intel® Celeron
  - Intel® Celeron D
- Supports Intel Enhanced Memory 64 Technology (EMT64T)
- Supports Enhanced Intel SpeedStep Technology (EIST)
- Supports Intel Hyper-Threading Technology
- Supports 1066/800/533MHz FSB

  Note: Optional BIOS is required for Core 2 QUAD supports for Vista OS.

CHIPSET
- Intel® chipset
  - Northbridge: Intel® Q965 Express chipset
  - Southbridge: Intel® ICH8

SYSTEM MEMORY
- Two 240-pin DDR2 DIMM sockets
- Supports DDR2 533, DDR2 667 and DDR2 800 DIMMs
- Supports dual channel (128-bit wide) memory interface
- Supports up to 4GB system memory
- Supports non-ECC unbuffered DIMMs

BIOS
- Award BIOS
- 8Mbit SPI flash memory

ENERGY EFFICIENT DESIGN
- Supports ACPI specification and OS Directed Power Management
- Supports ACPI STR (Suspend to RAM) function
- Wake-On-Events include:
  - Wake-On-PS/2 Keyboard/Mouse
  - Wake-On-USB Keyboard/Mouse
  - Wake-On-LAN
  - Wake-On-Ring
  - RTC timer to power-on the system
- System power management supported
- CPU stopped clock control
- Microsoft®/Intel® APM 1.2 compliant
- Soft Power supported - ACPI v2.0 specification
- AC power failure recovery

DAMAGE FREE INTELLIGENCE
- Monitors CPU/system temperature and overheat alarm
- Monitors Vcore/VCC3/VBAT/3VSB/12V/1.25V/1.8V/5V voltages and failure alarm
- Monitors CPU/2nd/system fan speed
- Read back capability that displays temperature, voltage and fan speed
- Watchdog Timer function

ONBOARD GRAPHICS FEATURES
- Built-in Intel Graphics Media Accelerator 3000

ONBOARD AUDIO FEATURES
- Realtek ALC882 High Definition audio CODEC
- 8-channel audio output
- S/PDIF interface

ONBOARD LAN FEATURES
- Marvell 88E8053 PCI Express Gigabit Ethernet controller
- Supports 10Mbps, 100Mbps and 1Gbps data transmission
- IEEE 802.3 (10/100Mbps) and IEEE 802.3ab (1Gbps) compliant

STORAGE INTERFACES
- Intel ICH8 supports:
  - 3 Serial ATA ports
  - SATA speed up to 3Gb/s
- Silicon Image Sil3811 SATA to PATA bridge supports:
  - One UltraDMA 133/100/66/33 IDE that supports one parallel ATA device (Master mode only)

REAR PANEL I/O PORTS
- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 1 DB-25 parallel port
- 1 DB-9 serial port
- 1 DB-15 VGA port
- 1 RJ45 LAN port
- 4 USB 2.0/1.1 ports
- Line-in, line-out (front R/L) and mic-in jacks
- Center/subwoofer, rear R/L and side R/L jacks

I/O CONNECTORS
- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 connector for an external COM port
- 1 Digital I/O connector
- 1 front audio connector for line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 S/PDIF-in/out connector
- 1 connector for IrDA interface
- 3 Serial ATA connectors
- 1 40-pin IDE connector
- 1 floppy connector
- 1 24-pin ATX power connector
- 1 4-pin 12V power connector
- 1 front panel connector
- 3 4-wire fan connectors

EXPANSION SLOTS
- 1 PCI Express x16 slot
- 1 PCI Express x4 slot
- 2 PCI slots

TEMPERATURE
- Operating: 0ºC to 60ºC
- Non-operating: -40ºC to 85ºC

HUMIDITY
- Operating: 10% to 90%

PCB
- 4 layers, microATX form factor
- 24.4cm (9.6") x 22.5cm (8.86")

SAFETY
- UL, cUL, FCC Class B, CE

REAR PANEL I/O PORTS

PS/2 Mouse, Parallel, PS/2 K/B, COM I, VGA, USB 3, USB 2, USB 0-1, LAN, Center/Subwoofer, Rear R/L, Line-in, Line-out, Mic-in, Side R/L