DFI-ACP
○ Revision Control ○ Long Life Cycle

G7B336-P
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

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

SYSTEM MEMORY
- Four 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 8GB system memory
- Supports non-ECC unbuffered DIMMs

EXPANSION SLOTS
- 1 PCI Express x16 slot
- 3 PCI slots

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

ONBOARD AUDIO FEATURES
- ADI AD1988A High Definition audio CODEC
- 8-channel audio output
- Line-out (front R/L) - integrated 3W+3W audio amplifier
- S/PDIF interface

ONBOARD LAN FEATURES
- Realtek RTL8111B PCI Express Gigabit Ethernet controller
- Supports 10Mbps, 100Mbps and 1Gbps data transmission
- IEEE 802.3 (10/100Mbps) and IEEE 802.3ab (1Gbps) compliant

SERIAL ATA INTERFACES
- Supports 2 SATA (Serial ATA) interfaces which are compliant with SATA 1.0 specification
- SATA speed up to 3Gb/s

IDE INTERFACE
- JMicron JMB368 PCI Express to PATA host controller
- Supports up to 2 UltraDMA 33/66/100Mbps IDE devices

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
- 1 connector for 2 additional external USB 2.0/1.1 ports
- 3 connectors for 3 external COM ports
- 1 standard TPM interface connector
- 1 front audio connector for line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 S/PDIF-in/out connector
- 2 Serial ATA connectors
- 1 40-pin IDE connector
- 1 floppy connector
- 1 24-pin ATX power connector
- 1 4-pin 12V power connector
- 1 chassis open connector
- 1 front panel connector
- 4 fan connectors

BIOS
- Award BIOS
- 16Mbit 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/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

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 24.4cm (9.6")

REAR PANEL I/O PORTS

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