G7L330-B2-G

Intel® 945G chipset
Socket 775-based Intel® microATX board

PROCESSOR (Socket 775-based Intel®)

- LGA 775 socket for:
  - Intel® Pentium® D
  - Intel® Pentium® 4
  - Intel® Celeron® D
  - Intel® Celeron®
- Supports Intel® Hyper-Threading Technology (HTT)
- Supports 1066/800/533MHz FSB

CHIPSET

- Intel® 945G chipset
  - North Bridge: Intel® 945G Express chipset
  - South Bridge: Intel® ICH7

SYSTEM MEMORY

- Four 240-pin DDR2 DIMM sockets
- Supports DDR2 533 and DDR2 667 DIMMs
- Supports dual channel (128-bit wide) memory interface
- Supports up to 4GB system memory
- Supports non-ECC x8 and x16 DIMMs
- Supports up to 512Mb DRAM densities
- Supports unbuffered DIMMs

BIOS

- Award BIOS
- 4Mbit 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-Ring
  - Wake-On-LAN
  - 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/V3SB/Vcc5/12V/V5SB/VBAT voltages and failure alarm
- Monitors CPU/chassis fan speed, and failure alarm
- Read back capability that displays temperature, voltage, and fan speed
- Watchdog Timer Function

ONBOARD GRAPHICS FEATURES

- Built in Intel® Graphics Media Accelerator 950

ONBOARD AUDIO FEATURES

- Full-duplex codec with independent variable sampling rate
- True stereo line level outputs
- S/PDIF-out interface
- 6-channel audio Codec

ONBOARD LAN FEATURES

- RTL8110SB Gigabit ethernet controller
- Supports 10Mbps, 100Mbps, and 1Gbps data transmission
- IEEE 802.3 (10/100Mbps) and IEEE 802.3ab (1Gbps) compliant

SERIAL ATA INTERFACE

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

IDE INTERFACE

- Supports up to UltraDMA 100Mbps hard drives
- PIO Mode 4 Enhanced IDE (data transfer rate up to 14MB/sec.)

IEEE 1394 INTERFACE

- VIA VT6307
- Supports two 100/200/400 Mb/sec ports

REAR PANEL I/O PORTS

- 4 USB 2.0/1.1 ports
- 1 IEEE 1394 port
- 1 RJ45 LAN port
- 1 DB-9 serial port
- 1 DB-15 VGA port
- 1 DB-25 parallel port
- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 3 audio jacks: line-out, line-in and mic-in

I/O CONNECTORS

- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 connector for 1 external IEEE 1394 port
- 1 connector for 1 external serial port
- 1 front audio connector for line-out and mic-in jacks
- 1 CD-in internal audio connector
- 1 S/PDIF-out connector
- 1 connector for IrDA interface
- 4 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
- 2 fan connectors

CABLES

- 1 IDE cable
- 1 FDD cable
- 1 SATA cable
- 1 SATA power cable
- 1 USB cable

EXPANSION SLOTS

- 1 PCI Express x16 slot
- 1 PCI Express x1 slot
- 2 PCI slots (PCI 2.3)

CIRCUIT BOARD (PCB)

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

SAFETY

- UL, cUL, FCC Class B, CE