

# G7L330-B-G

## Intel® 945G chipset Socket 775 microATX Board

**PROCESSOR**

- Intel® Pentium® 4 processor
- Intel® Pentium® D processor
- Hyper-Threading Technology
- 533/800/1066MHz system data bus
- Intel® Celeron® processor
- Intel® Celeron® D processor
- Processor socket: Socket 775

**CHIPSET**

- Intel® 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-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 v1.0a specification
- AC power failure recovery

**DAMAGE FREE INTELLIGENCE**

- Monitors CPU/system temperature and overheat alarm
- Monitors Vcore/V3SB/Vcc3/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

**ONBOARD GRAPHICS FEATURES**

- Built-in Intel Graphics Media Accelerator 950

**ONBOARD AUDIO FEATURES**

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

**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**

- 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
- 1 IEEE 1394 port
- 4 USB 2.0/1.1 ports
- Line-in, line-out 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 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
- 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

**EXPANSION SLOTS**

- 1 PCI Express x16 slot
- 1 PCI Express x1 slot
- 2 PCI slots

**PCB**

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