MB-G7L630-B-G

Intel® 945G Chipset, Socket 775-based Intel® ATX Board

PROCESSOR (Socket 775-based Intel®)
- LGA 775 socket for:
- Intel® Pentium® D
- Intel® Pentium® 4
- Intel® Celeron® D
- Intel® Celeron®
- Supports Intel® Enhanced Memory 64 Technology (EMT64T)
- Supports Enhanced Intel® Speed Step Technology (EIST)
- Supports Intel® Hyper-Threading Technology (HTT)
- Supports 1066/800/533MHz FSB

CHIPSET
- Intel® 945G chipset
- Intel® 945G Express chipset
- 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
- 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/VCC3/VBAT/3VSB/12V/1.5V/1.8V/5V voltages and failure alarm
- Monitors CPU/system/second 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
- Realtek ALC202A
- 18-bit stereo full-duplex codec with independent variable sampling rate
- High quality differential CD input
- True stereo line level outputs
- S/PDIF-out interface
- 2-channel audio output

ONBOARD LAN FEATURES
- One Marvell 88E8053 PCI Express Gigabit ethernet controller
- Integrated power management functions
- Full duplex support at 10 Mbps, 100 Mbps, and 1 Gbps
- Supports IEEE 802.3U auto-negotiation
- Supports wire for management

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
- Supports PIO IDE transfers up to 16MB/sec

REAR PANEL I/O PORTS
- 4 USB 2.0/1.1 ports
- 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 COM 2 port
- 1Digital I/O connector
- 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 chassis open connector
- 1 4-pin 12V power connector
- 1 front panel connector
- 3 fan connectors

EXPANSION SLOTS
- 1 PCI Express x16 slot
- 1 PCI Express x1 slot
- 4 PCI slots

CIRCUIT BOARD (PCB)
- 4 layers, ATX form factor
- 30.5cm (12") x 24.4cm (9.6")

SAFETY
- UL, cUL, FCC Class B, CE