DFI-ITOX®

○ *Revision Control*   ○ *Long Life Cycle*

RoHS

G7L331-L
Intel® 945GC microATX Board

PROCESSOR
- LGA 775 socket for:
  - Intel® Core™2 Duo
  - Intel® Pentium® Dual-Core E2000 series
  - Intel® Pentium® 4
  - Intel® Celeron® 400 series
  - Intel® Celeron® D
- Supports 800/533MHz FSB
- Supports FMB 05A/06 up to 95W CPU
- Supports Intel Enhanced Memory 64 Technology (EMT64T)
- Supports Enhanced Intel SpeedStep Technology (EIST)
- Supports Intel Hyper-Threading Technology

CHIPSET
- Intel® chipset
  - North bridge: Intel® 945GC Express chipset
  - South bridge: Intel® ICH7

SYSTEM MEMORY
- Two 240-pin DDR2 DIMM sockets
- Supports DDR2 533 and DDR2 667 DIMMs
- Supports dual channel (128-bit wide) memory interface
- Supports up to 2GB system memory
- Supports non-ECC x8 and x16 DIMMs
- Supports 4 banks for all DDR2 devices up to 512Mbit density
  Supports 8 banks for 1Gbit DDR2 devices
- Supports unbuffered DIMMs

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

ONBOARD GRAPHICS FEATURES
- Built-in Intel Graphics Media Accelerator 950

ONBOARD AUDIO FEATURES
- Realtek ALC655 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
- RTL8110SC 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.)

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
- Mic-in, line-in and line-out jacks

I/O CONNECTORS
- 2 connectors for 4 additional external USB 2.0/1.1 ports
- 1 connector for 1 external COM 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

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
- Watchdog Timer function

TEMPERATURE
- 0°C to 60°C

HUMIDITY
- 10% to 90%

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

SAFETY
- UL, cUL, FCC Class B, CE

REAR PANEL I/O PORTS

PS/2 Mouse   Parallel   LAN   Mic-in   Line-in   Line-out

PS/2 KB   COM   VGA   USB 1-2   USB 3-4