# GEMLIGHT Computer Ltd.

# Intel 440LX Socket 370 microATX Motherboard w/ on Board Sound

# Model:  GMB-P6190

6190 is a high-performance green Socket 370 microATX motherboard with on board sound. The system core logic is based on Intel 440LX.

The Trident 4Dwave is an advanced PCI audio accelerator and differs radically from the traditional sound processor, which utilizes 3D-surround technology.

## SPECIFICATION:

**CPU:**

 Support Socket Celeron 300 - 466MHz processor

**Chipset:**

 Intel 82440LX

 Winbond W83977EF

 Trident 4Dwave-NX

**Architecture:**

 ISA, IBM PC/AT and PCI 2.1 compatible

 AGP support - high performance, quality 3D accelerator by

 eliminating the 3D bottlenecks with direct access to system

 memory. Max. bandwidth 533MB/sec

**Main Memory:**

 2 DIMM sockets constitute 4 memory banks

 DIMM Type - 16/64/128MB 168-pin 3.3V SDRAM with SM

 Bus connections for memory detection

 ECC Functions ensure data correction and integrity (SDRAM

 only)

 Maximum Size - 256MB

**Power Management Features:**

**True green functions: support SMM, SMI and CPU stop clock**

**ACPI/PC97 compatible**

**LAN, Modem & Keyboard wakeup function**

**System BIOS:**

**Award 256KB PnP Flash ROM**

**Audio:**

**Trident 4D wave PCI sound system**

**Support Full Duplex & Plug n Play**

**Sound Blaster Compatible**

**MPU401 UART compatible MIDI interface**

**Qsoft positional 3D sound and Hardware Wavetable support**

**Dos Game compatibility**

**Overall PC99 compliance**

**I/O Interface:**

**Two fast serial ports (16550) & One EPP/ECP parallel port**

**Built-in FDC supports 1.2M/1.44M/2.88M FDD**

**Two enhanced PCI IDE channels which support up to 4 IDE**

**devices with PIO Mode 4 transfers up to 16.6MB/sec**

**Support ¡§Ultra DMA/33¡¨ transfers up to 33MB/sec**

**PS/2 mouse and keyboard connectors**

**Double Deck USB connectors**

**IrDA / FIR support**

**Expansion Slots:**

**3 PCI bus master (1 shared)**

**1 16-bit ISA (1 shared)**

**1 32-bit AGP (66MHz)**

**Form Factor:**

**microATx, 240mm (W) x 190mm(L) 4 Layer PCB**

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