# The Performance Leader

The World's First Dual 6600GT GPU Graphics Accelerator + GA-K8NXP-SLI 8∑ Motherboard

## GA-K8NXP-SLI | NVIDIA nForce4 SLI Chipset 8 SIGMA Motherboard
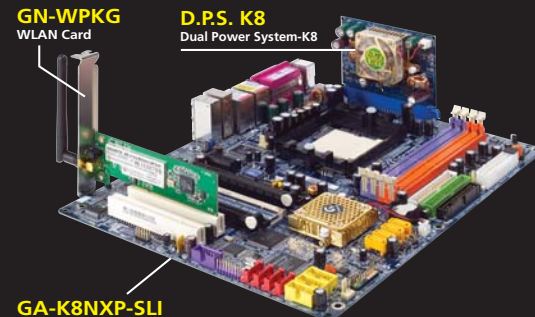### Supports Socket 939  Athlon™64 FX / Athlon™64 processor

**Processor**
Socket 939 supports AMD Athlon64/
Athlon64FX

**Chipset**
NVIDIA nForce4 SLI MCPs
(media and communication processors)
Integrated peripherals
  Silicon Image Sil3114 controller
  T.I. IEEE1394b controller
  Marvell 8053 Gigabit Ethernet controller
  CICADA8201 Gigabit LAN PHY chip
  Realtek ALC850 Audio AC'97 Codec

**BIOS**
2 X 4Mb flash ROM, DualBIOS

**Internal I/O Connectors**
4 x Serial ATA 3.0Gb/s connectors
4 x Serial ATA connectors
2 x UDMA ATA 133/100/66 IDE connectors
1 x FDD connector
3 x USB 2.0/1.1 connectors (supports 6 ports)
2 x IEEE 1394b connectors (supports 3 ports)
3 x cooling fan pin headers
1 x Game/Midi connector

**Expansion Slots**
2 x PCI-Express X 16 slot,
supports two SLI-ready
Graphics cards with SLI mode
2 x PCI-Express X 1 slots
2 x PCI slots (PCI 2.3 compliant)

**Rear Panel I/O**
4 x USB 2.0/1.1 ports
2 x RJ45 ports
Audio (4 x Line-out/ 1 x Line-in/ 1 x MIC) connector
Coaxial S/PDIF input/ output
PS/2 Keyboard/ Mouse
1 x COM ports
1 x LPT

**Form Factor**
ATX form factor / 30.5 x 24.4 cm

**Memory**
184-pin DIMM socket support DDR400/
  DDR333/DDR266 memory
Dual channel architecture support up to
  4GB by 4 DIMM slots

**Power**
ATX power connector and ATX 12V connector

**Unique Features**
NVIDIA SLI multi-GPU support
NV RAID 0,1,0+1 for
  Serial ATA 3.0Gb/s & UDMA ATA
RAID 0,1,0+1 for Serial ATA (Sil3114R)
Dual Power System (DPS)
802.11g compatible Wireless adapter
Support NVIDIA Firewall
Norton Internet Security

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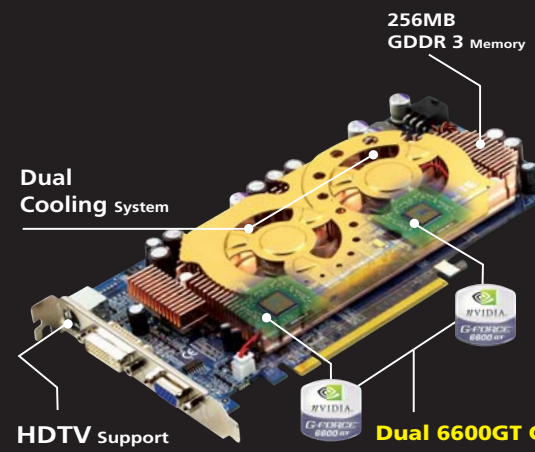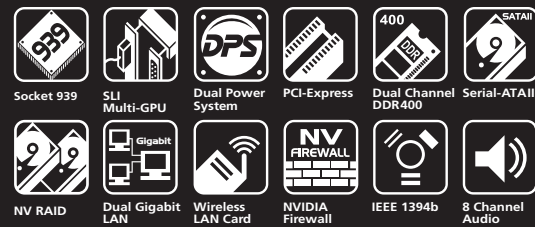## GV-3D1 | The World's First Dual 6600GT Graphics Accelerator
● Dual GeForce 6600GT GPU  ● 256MB GDDR 3 Memory
● 256bit Memory Bandwidth  ● Dual Cooling System

| | ITEM | GV-3D1 | | ITEM | GV-3D1 |
|---|---|---|---|---|---|
| **Specification** | VPU | Dual Geforce 6600 GT (NV43 GT) | **Specification** | Video-In | No |
| | Core Clock | 500MHz | | DVI Port | DVI-I |
| | Mem Clock | 1120MHz | | TwinView | Yes |
| | Mem Size | 256MB | | Fan/Heat Sink | Dual Cooling Fansink |
| | Mem Bus | 256bit | | RAMDAC(MHz) | 400 |
| | Card† Bus | PCIEx16 | | Tools | V-Tuner 2 |
| | Pixel Pipeline | 8x2 | **S/W Bundle** | DRIVER CD | PCI Express |
| | Mem Type | 8x32-1.6 GDDR3 | | POWER DVD | Full Version |
| | Mem Package | uBGA | | GAME CD/ THIEF III | Full Version |
| | Memory (pcs) | 8 | | GAME CD/ JOINT OPERATIONS | Full Version |
| | Direct X | 9.0c | **Cable & Adapter** | TRANS. ADAPTER DVI-I/D-SUB15 | 1 PCS |
| | D-SUB | Yes | | HDTV cable | 1 PCS |
| | TV-OUT | S/AV | | POWER CABLE | 1 PCS |

**Important :**
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3D1B-0502-2K

**GN-WPKG** WLAN Card
**D.P.S. K8** Dual Power System-K8

**GA-K8NXP-SLI**
NVIDIA nForce4 SLI Chipset Motherboard
Support Socket 939 Athlon™64 FX/Athlon™64 processor

Socket 939 | SLI Multi-GPU | Dual Power System | PCI-Express | Dual Channel DDR400 | Serial-ATAII

NV RAID | Dual Gigabit LAN | Wireless LAN Card | NVIDIA Firewall | IEEE 1394b | 8 Channel Audio

**256MB GDDR 3 Memory**

**Dual Cooling System**

**HDTV Support**

**Dual 6600GT GPU**

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GIGABYTE
TECHNOLOGY

**3D1 2005 LIMITED EDITION**

**Limited Edition**

8∑ Series
◄ Fusion of Technology & Performance ►

NVIDIA nForce4 SLI Chipset
8 SIGMA Motherboard
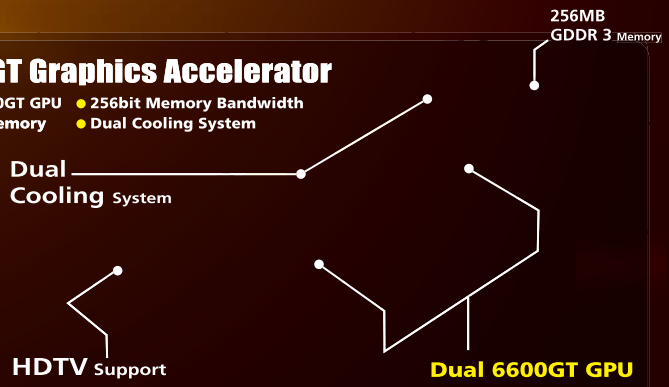Supports Socket 939 Athlon™64 FX /
Athlon™64 processor

SLI | AMD Athlon™64 FX | AMD Athlon™64

**GA-K8NXP-SLI**

**GN-WPKG** WLAN Card
**GV-3D1** Dual 6600GT Graphics Accelerator
**D.P.S. K8** Dual Power System-K8

## GV-3D1 | Dual 6600GT Graphics Accelerator
● Dual GeForce 6600GT GPU  ● 256bit Memory Bandwidth
● 256MB GDDR 3 Memory  ● Dual Cooling System

**3DMark 2003**

| | |
|---|---|
| 14,293↑ | GIGABYTE 3D1 Real 6600GT GPUs (In Single Card) |
| 13,540↑ | NVIDIA 6600 GT SLI ( 2 Cards ) |
| 13,271↑ | ATI X850XT Platinum |
| 12,660↑ | NVIDIA 6800 Ultra |
| 9,240↑ | NVIDIA 6600 GT |

**256MB GDDR 3 Memory**

**Dual Cooling System**

**HDTV Support**

**Dual 6600GT GPU**

NOTE: 3D1 feature enabled with a GIGABYTE GA-K8NXP-SLI Type Motherboard ONLY.

# The Performance Leader

**The World's First Dual 6600GT GPU Graphics Accelerator+GA-K8NXP-SLI 8∑ Motherboard**

**3D1** 2005 LIMITED EDITION

## GA-K8NXP-SLI
**NVIDIA nForce4 SLI Chipset 8 SIGMA Motherboard**
Supports Socket 939  Athlon™64 FX / Athlon™64 processor

**D.P.S.-K8**
Dual Power System-K8
Dual Power system provides solid power supply and enhanced cooling effect at once.
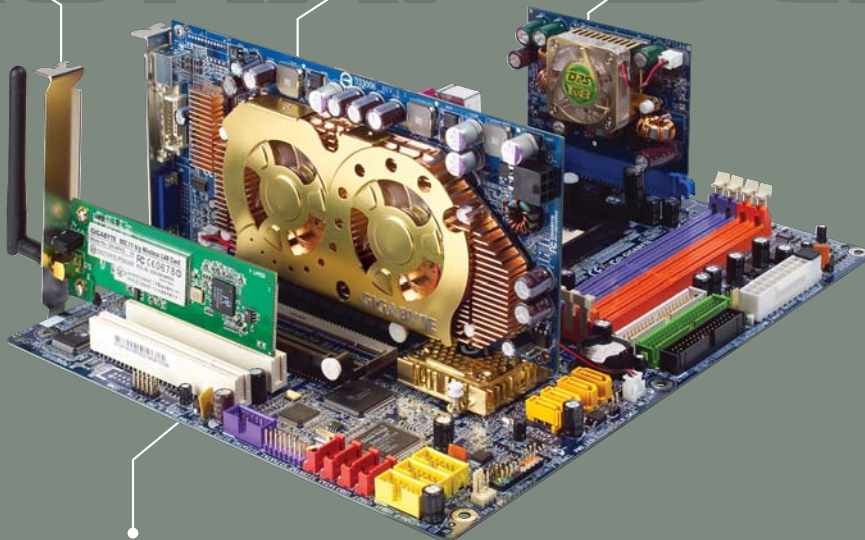
D.P.S. K8

**GN-WPKG**
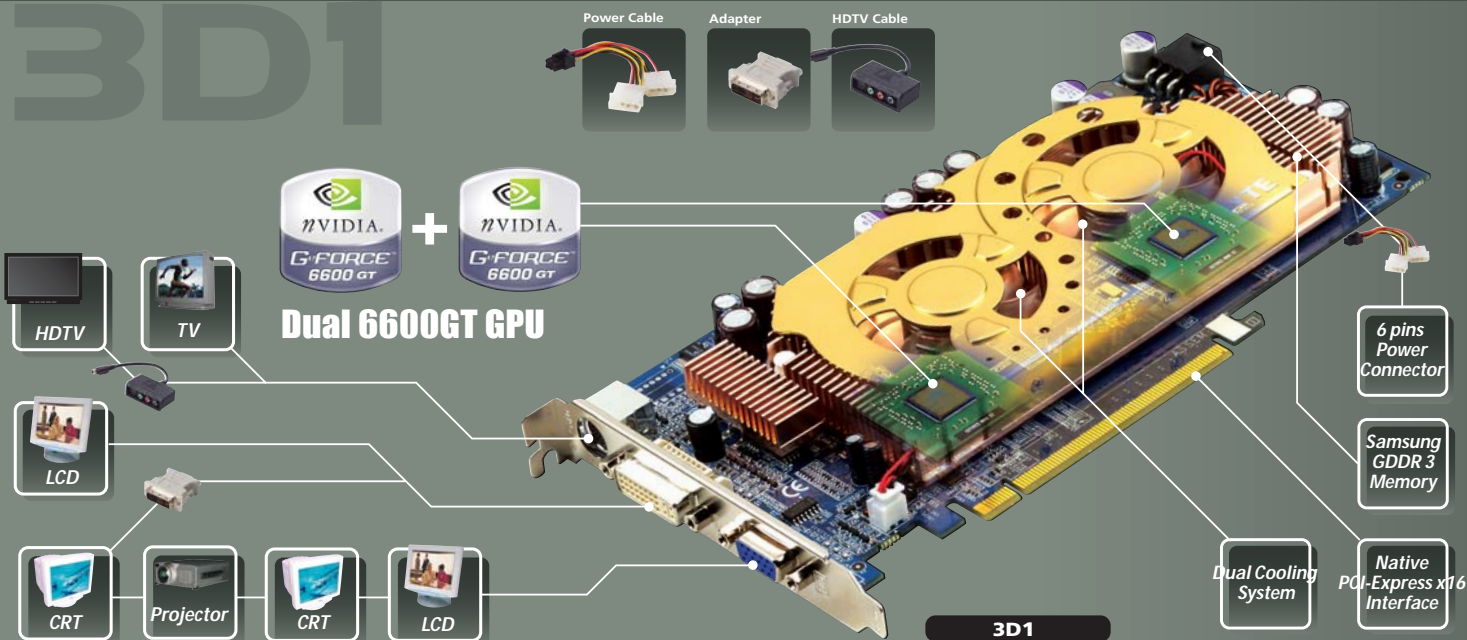Enjoy Wireless Connect Technology
Going wireless has never been easier with the help of GIGABYE GN-WPKG. It offers the benefits of integrated AP and router functionality as well as simplifying connectivity to an existing wireless network,  making it the ideal solution for a small office or home network.

GN-WPKG

**GIGABYTE 8∗(SIGMA) series**

Symbolizes the latest GIGABYTE flagship motherboard and represents a balanced fusion of top-line technologies. The design of the 8∗ series combines the benefits of 8 most advanced features to intensify system performance, speed and stability to satisfy all the needs of an enthusiastic user.

8∑ Series

### ∑ Processor
**AMD Athlon™64 FX/Athlon™64 Processor**
Equipped with innovations such as AMD64 technology, HyperTransport™ interface, CPU-integrated DDR memory controller, and Cool'n'Quiet™ technology, AMD Athlon 64FX/ 64 achieve the milestone for desktop computing.

AMD Athlon FX    AMD Athlon 64

### ∑ SLI
**(Scalable Link Interface)**
NVIDIA SLI Multi-GPU support
The nForce4 SLI chipset offers blistering graphics performance with the ability to connect two NVIDIA SLI-ready PCI Express graphics cards. NVIDIA SLI delivers the best solution to get Multi GPU system performance for earth-shattering game playing.

### ∑ Network connection
**Dual Gigabit LAN/ Wireless Technology**
Dual LAN gives users convenience of simultaneous WAN and LAN connection for instant connection and networking. With wireless technology, this platform offers easy connectivity to the existing network.

Dual Gigabit LAN

### ∑ Storage
SATA II / RAID
Serial ATA II is firstly introduced in this platform to provide blazingly 3Gb/s bus bandwidth thus higher disk performance. The NVIDIA RAID allows multi-disk designs to be set up as RAID 0,1,0+1 based on users  priority of protection/ performance.

### ∑ ShieldWare A solid pack of unique software features
A solid pack of unique software features focused on performing important system essentials with speed and ease.  Find out what these great features can do for your system!

### ∑ Memory
**Superior Dual channe DDR400 Architecture**
This platform supports dual channel DDR400 memory architecture with high bandwidth of up to 6.4GB/s and shorter memory accessing latency thus delivering the greatest memory performance.

Dual Channel DDR 400+

### ∑ D.P.S. K8
**Dual Power System-K8**
The Dual Power System delivers a total 6-phase power circuit to provide a more solid and durable power supply for the new generation AMD platform. This design ensures a more secure and stable platform than ever before

D.P.S K8

### ∑ Security
**NVIDIA ActiveArmor™**
**powered Firewall/ Norton Internet Security (NIS)**
The NV Firewall & Norton Internet Security delivers complete solution for system security in the thriving networking environment. This overall package provides the solid protection against hackers, viruses, and privacy infringements without the scarifying of system performance.

NV FIREWALL

**GN-WPKG** WLAN Card    **GV-3D1** Dual 6600GT Graphics Accelerator    **D.P.S. K8** Dual Power System-K8

**NVIDIA nForce4 SLI** Chipset Motherboard
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K8NXP-SLI

**EasyTune™5**
**Gigabyte C.O.M.**
**Xpress Install**

**M.I.B. 2** Memory Intelligent Booster 2
**M.I.T.** Motherboard Intelligent Tweaker
**Download Center**

**S.O.S.** System Overclock Saver
**Xpress Recovery**
**nTune** Supports NVIDIA nTune, please download related utilities on GIGABYTE website

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**Motherboard**  技嘉主板 マザーボード 技嘉主機板  **Scheda Madre**
**Placa-madre** لوحة رئيسية Материнская плата 메인보드 **La Carte Mère**

Power Cable    Adapter    HDTV Cable

**NVIDIA G-FORCE 6600 GT** + **NVIDIA G-FORCE 6600 GT**

**Dual 6600GT GPU**

HDTV    TV

LCD

CRT    Projector    CRT    LCD

3D1

6 pins Power Connector

Samsung GDDR 3 Memory

Native PCI-Express x16 Interface

Dual Cooling System

**NOTE: 3D1 feature enabled with a GIGABYTE GA-K8NXP-SLI Type Motherboard ONLY.**

## GV-3D1
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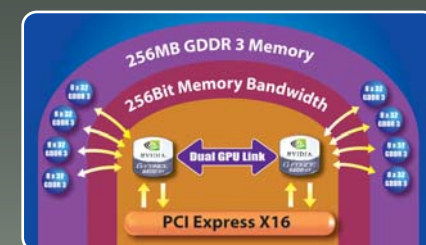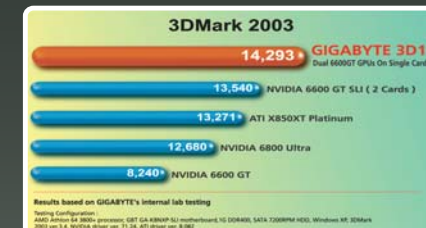
**3D1** 2005 GRAPHICS ACCELERATOR

GIGABYTE Technology, a world leader in IT product design and development, introduces 3D1, the world's first dual GPU graphics card to feature two high performance NVIDIA GeForce 6600GT graphics processors on a single PCI Express board. The 3D1 is also the world's first NVIDIA GeForce 6600GT graphics card with 256MB GDDR 3 memory supporting 256-bit memory bandwidth.  With its massive GDDR 3 memory, the 3D1 delivers breathtaking performance when rendering ultra-high resolution textures, characters, and environments.  The 3D1 by GIGABYTE, delivering innovative solutions for extreme gaming.

| Dual GeForce 6600GT GPU | 256MB GDDR 3 Memory |
| 256bit Memory Bandwidth | Dual Fan Cooling System |

**3DMark 2003**

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| 14,293+ | GIGABYTE 3D1 Dual 6600GT GPU On Single Card |
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| 12,660+ | NVIDIA 6800 Ultra |
| 8,246+ | NVIDIA 6600 GT |

Results based on GIGABYTE's internal lab testing
Testing configuration:
AMD Athlon 64 3500+ CPU,  VIA K8T800 Pro / nVIDIA nForce4 SLI / NVIDIA 100 0A500GF/800, Windows XP, 512Mx2
DDR at 2-3-3-8, Disk min 7.25.20 driver at 120C

**256MB GDDR 3 Memory**
**256bit Memory Bandwidth**
Dual GPU Link
**PCI Express X16**

**V-TUNER 2**

V-TUNER 2 provides a user-friendly and simple interface for overclocking.
It dynamically adjusts core and memory clocks, allowing users to get the most out of their GIGABYTE graphics card.

GIGABYTE **TECHNOLOGY**

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