



# Product Sheet



### Stream Processors

16

### Shader Clock

900 MHz

### Chipset

GeForce™ 8500 GT

### Memory Interface

128 bit

### Memory Bandwidth

12.8 GB/sec

### Fill Rate

3.6 billion/sec

### RAMDACs

400 MHz

### Dual Link DVI - Supporting digital output up to 2560x1600

### Clock rate

450 MHz

### Memory Clock

533 MHz

### Shader Clock

983 MHz

### Chipset

GeForce 8500 GT

### Memory

512 MB

### Bus Type

PCI-E

### Memory Type

DDR2

### Memory Bus

128 bit

### Output

VGA, DVI

### Highlighted Features

SLI ready, DVI Out, TV Out, RoHS, Vista, HDTV ready

### Full Microsoft® DirectX® 10 Support

World's first DirectX 10 GPU with full Shader Model 4.0 support delivers unparalleled levels of graphics realism and film-quality effects.

### NVIDIA® SLI™ Technology

Delivers up to 2x the performance of a single graphics card configuration for unequaled gaming experiences by allowing two cards to run in parallel. The must-have feature for performance PCI Express® graphics, SLI technology dramatically scales performance on today's hottest games.

### NVIDIA® unified architecture with GigaThread™ technology

Massively multi-threaded architecture supports thousands of independent, simultaneous threads, providing extreme processing efficiency in advanced, next generation shader programs.

### **Built for Microsoft® Windows Vista™**

NVIDIA's fourth-generation GPU architecture built for Windows Vista gives users the best possible experience with the Windows Aero 3D graphical user interface.

### **NVIDIA® Lumenex™ Engine**

Delivers stunning image quality and floating point accuracy at ultra-fast frame rates.

### **OpenGL™ 2.0 Optimizations and Support**

Ensures top-notch compatibility and performance for all OpenGL applications. NVIDIA® nView® Multi-display Advanced technology provides the ultimate in viewing flexibility and control for multiple monitors.

### **16x Anti-aliasing**

Lightning fast, high-quality anti-aliasing at up to 16x sample rates obliterates jagged edges.

### **128-bit floating point High Dynamic-Range (HDR)**

Twice the precision of prior generations for incredibly realistic lighting effects—now with support for anti-aliasing.

### **Dual 400MHz RAMDACs**

Blazing-fast RAMDACs support dual QXGA displays with ultra-high, ergonomic refresh rates--up to 2048x1536@85Hz.

### **Dual Link DVI**

Capable of supporting digital output for high resolution monitors (up to 2560x1600).

### **NVIDIA® Quantum Effects™ Technology**

Advanced shader processors architected for physics computation enable a new level of physics effects to be simulated and rendered on the GPU—all while freeing the CPU to run the game engine and AI.

### **NVIDIA® ForceWare® Unified Driver Architecture (UDA)**

Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications. ForceWare provides the best out-of-box experience and delivers continuous performance and feature updates over the life of NVIDIA GeForce® GPUs.

### **NVIDIA® PureVideo™ Technology**

The combination of high-definition video processors and NVIDIA DVD decoder software delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for all video content to turn your PC into a high-end home theater. (Feature requires supported video software.)

### **PCI Express™ Support**

Designed to run perfectly with the next-generation PCI Express bus architecture. This new bus doubles the bandwidth of AGP 8X delivering over 4 GB/sec. in both upstream and downstream data transfers.

### **NVIDIA® nView® Multi-Display Technology**

Advanced technology provides the ultimate in viewing flexibility and control for multiple monitors.