



# Product Sheet



### Memory Interface

128 bit

### Fill Rate

8.64 billion/sec

### Memory Bandwidth

22.4 GB/Sec

### Chipset

GeForce™ 8600 GT

### RAMDACs

400 MHz

### Stream Processors

32

### Shader Clock

1190 MHz

### Shader Clock

1355 MHz

### Memory Clock

1.6 GHz

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

Dual

### Clock rate

620 MHz

### Chipset

GeForce 8600 GT

### Memory

256 MB

### Bus Type

PCI-E

### Memory Type

DDR3

### Memory Bus

128 bit

### Highlighted Features

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

### 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.

### 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 GPU configuration for unparalleled gaming experiences by allowing two graphics cards to run in parallel. The must-have feature for performance PCI Express graphics, SLI dramatically scales performance on over 60 top PC games.

### 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.

#### **NVIDIA® Lumenex™ Engine**

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

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

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

#### **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.

#### **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.

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

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

#### **Dual DVI Support**

Able to drive the industry's largest and highest resolution flat-panel displays.

#### **Dual Link DVI**

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

#### **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.

#### **High-Speed GDDR3 Memory Interface**

Support for the world's fastest GDDR3 memory delivers fluid frame rates for even the most advanced games and applications.

#### **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.

#### **Dual 400MHz RAMDACs**

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

#### **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.)