



# 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

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

Dual

**Memory Clock**

1.6 GHz

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

**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.)