



# Product Sheet



	<b>Memory Clock</b>
	533MHz
	<b>Clock rate</b>
	400 MHz
	<b>Chipset</b>
	7600 GS
	<b>Memory</b>
	512MB
	<b>Bus Type</b>
	128 bit
	<b>Memory Type</b>
	DDRII
	<b>Highlighted Features</b>
	HDTV ready,DVI Out

### 128-bit Studio-Precision Computation

128-bit studio-precision computation through the entire pipeline prevents image defects due to low precision and ensures the best image quality for even the most demanding applications.

### 90nm Process Technology

Delivers higher performance through blazing clock rates.

### Adaptable Programmable Video Processor

PureVideo's programmable technology adapts to new video encoding formats as they are developed to provide a future-proof video solution. (Feature requires supported video software.)

### Advanced Spatial Temporal De-interlacing

Smooths video and DVD playback on progressive displays to deliver a crisp, clear picture that rivals high-end home theater systems.

### Built for Microsoft® Windows Vista™

NVIDIA's third-generation GPU architecture built for Windows Vista give users the best possible experience with the 3D graphical user interface in the upcoming operation system (OS) from Microsoft.

### Dual 400MHz RAMDACs

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

### 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).

## **High-Definition H.264, MPEG-2 and WMV Hardware Acceleration<sup>2</sup>**

Smoothly playback H.264, MPEG-2, and WMV video—including WMV HD—with minimal CPU usage so the PC is free to do other work.

## **Integrated HDTV Encoder**

Provides world-class TV-out functionality up to 1080i resolution.

## **Microsoft® DirectX® 9.0 Shader Model 3.0 Support**

Ensures top-notch compatibility and performance for all DirectX® 9 applications, including Shader Model 3.0 titles.

## **Next-generation Superscalar GPU Architecture**

Delivers up to 2x the shading power of previous generation products taking gaming performance to extreme levels.

## **NVIDIA® CineFX™ 4.0 Engine**

Delivers advanced visual effects at unimaginable speeds. Full support for Microsoft® DirectX® 9.0 Shader Model 3.0 enables stunning and complex special effects. Next-generation shader architecture with new texture unit design streamlines texture processing for faster and smoother gameplay.

## **NVIDIA® Digital Vibrance Control™ (DVC) 3.0 Technology**

Allows the user to adjust color controls digitally to compensate for the lighting conditions of their workspace, in order to achieve accurate, bright colors in all conditions.

## **NVIDIA® Intellisample™ 4.0 Technology**

The industry's fastest antialiasing delivers ultra-realistic visuals, with no jagged edges, at lightning-fast speeds. Visual quality is taken to new heights through a new rotated grid sampling pattern, advanced 128 Tap sample coverage, 16x anisotropic filtering, and support for transparent supersampling and multisampling.

## **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.)

## **NVIDIA® UltraShadow™ II Technology**

Enhances the performance of bleeding-edge games, like id Software's Doom 3, that feature complex scenes with multiple light sources and objects.

## **nView™ Multi-Display Technology**

The nView hardware and software technology combination delivers maximum flexibility for multi-display options, and provides unprecedented end-user control of the desktop experience.

## **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.

## **Video Color Correction**

Color temperature correction makes actors' faces appear natural, rather than washed out and pale, when playing videos on LCD and CRT displays. Display gamma correction ensures videos are not too dark, overly bright, or washed out regardless of the video format or display. (Feature requires supported video software.)