



Product Sheet



	Clock rate
	400 MHz
	Memory Clock
	800 MHz
	Dual Link DVI - Supporting digital output up to 2560x1600
	Chipset
	GeForce 7600 GS
	Memory
	256 MB
	Memory Type
	DDR2
	Memory Bus
	128 bit
	Output
	HDTV, DVI, HDMI
	Highlighted Features
	HDCP Ready,RoHS,Vista,HDTV ready,SLI ready

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 Link DVI

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

High-Definition H.264, MPEG-2 and WMV Hardware Acceleration2

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 Direct® 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.)