



GeForce GT220 1024MB DDR2, PCI-E

Hersteller: Sparkle
Herstellerbez.: SXT2201024D2-NM
Verpackung: Retail

Teilenummer: 25120226

Model number: SXT2201024D2-NM
Graphics Processing: NVIDIA GeForce GT220
Processor Cores: 48
Core Clock : 625 MHz
Memory Type: 1024MB DDR2
Memory Interface: 128-Bit
Processor Clock: 1360 MHz
Bus Type: PCI-Express 2.0

NVIDIA® Unified Architecture

Fully unified shader core dynamically allocates processing power to geometry, vertex, physics, or pixel shading operations, delivering up to 2x the gaming performance of prior generation

NVIDIA PhysX™ Technology¹

GeForce GPU support for NVIDIA PhysX technology, enabling a totally new class of physical gaming interaction for a more dynamic and realistic experience with GeForce.

NVIDIA CUDA™ Technology²

CUDA technology unlocks the power of the GPU's processor cores to accelerate the most demanding system tasks - such as video transcoding - delivering incredible performance improvements over traditional CPUs.

Microsoft Windows 7 Support

Windows 7 is the next generation operating system that will mark a dramatic improvement in the way the OS takes advantage of the graphics processing unit (GPU) to provide a more compelling user experience. By taking advantage of the GPU for both graphics and computing, Windows 7 will not only make today's PCs more visual and more interactive but also ensure that they have the speed and responsiveness customers want.

DirectCompute Support

Full support for DirectCompute, Microsoft's GPU computing API

OpenCL Support

Full support for OpenCL GPU computing API

PCI Express 2.0 Support

Designed for the new PCI Express 2.0 bus architecture offering the highest data transfer speeds for the most bandwidth-hungry games and 3D applications, while maintaining backwards compatibility with existing PCI Express motherboards for the broadest support.



GigaThread™ Technology

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

NVIDIA® Lumenex™ Engine

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

16x Anti-aliasing Technology

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

128-bit floating point High Dynamic-Range (HDR) Lighting

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

NVIDIA® GeForce® Unified Driver Architecture (UDA)

Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications. NVIDIA® GeForce® drivers provide the best out-of-box experience for every user and deliver continuous performance and feature updates over the life of NVIDIA GeForce® GPUs.

OpenGL 3.1 Optimization and Support

Provides top-notch compatibility and performance for OpenGL applications.

Dual 400MHz RAMDACs

Blazing-fast RAMDACs support dual QXGA displays with ultra-high, ergonomic refresh rates-up to [2048x1536@85Hz](#)

Dual-link DVI Support

Able to drive industry's largest and highest resolution flat-panel displays up to 2560x1600 and with support for High-bandwidth Digital Content Protection (HDCP).

HDMI 1.3a Support

Fully integrated support for HDMI 1.3a including xvYCC, Deep color and 7.1 digital surround sound.

NVIDIA® PureVideo® HD Technology³

The combination of high-definition video decode acceleration and post-processing that delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for movies and video.

Hardware Decode Acceleration

Provides ultra-smooth playback of H.264, VC-1, WMV, DivX, MPEG-2 and MPEG-4 HD and SD movies without the need for a dual or quad-core CPU.

Dual-stream Hardware Acceleration

Supports picture-in-picture content for the ultimate interactive Blu-ray and HD DVD movie experience.

Dynamic Contrast Enhancement & Color Stretch

Provides post-processing and optimization of High Definition movies on a scene by scene basis for spectacular picture clarity.



Dual-link HDCP Capable 4

Designed to meet the output protection management (HDCP) and security specifications of the Blu-ray Disc format, allowing the playback of encrypted movie content on PCs when connected to HDCP-compliant displays.

Enhanced Error Resilience

Correct errors or losses in broadcast content to ensure crisp, high quality playback

Advanced Spatial-Temporal De-Interlacing

Sharpens HD and standard definition interlaced content on progressive displays, delivering a crisp, clear picture that rivals high-end home-theater systems

High-Quality Scaling

Enlarges lower resolution movies and videos to HDTV resolutions, while maintaining a clear, clean image. Also provides downscaling of videos, including high-definition, while preserving image detail.

Inverse Telecine (3:2 & 2:2 Pulldown Correction) Bas Edit Correction

Recovers original film images from films-converted-to-video (DVDs, 1080i HD content), providing more accurate movie playback and superior picture quality

Bad Edit Correction

When videos are edited, the edits can disrupt the normal 3:2 or 2:2 pulldown cadence. PureVideo uses advanced processing techniques to detect poor edits, recover the original content, and display perfect picture detail frame after frame for smooth, natural looking video.

Noise Reduction

Improves movie image quality by removing unwanted artifacts.

Edge Enhancement

Sharpens movie images by providing higher contrast around lines and objects.

Full Microsoft® DirectX® 10.1 Support

DirectX 10.1 GPU with full Shader Model 4.1 support delivers unparalleled levels of graphics realism and film-quality effects.