



GeForce GTS250, 1024 MB GDDR3

Hersteller: Palit
Herstellerbez.: SXS2501024D3-NM
Verpackung: Retail

Teilenummer: 25120072

- **Model number:** SXS2501024D3-NM
- **Graphics Processing:** NVIDIA GeForce GTS250
- **Processor Cores:** 128
- **Core Clock:** 738MHz
- **Memory Clock:** 2200MHz
- **Memory Type:** 1024MB GDDR3
- **Memory Interface:** 256Bit
- **Processor Clock:** 1836MHz
- **Bus Type:** PCI-Express 2.0
- **RAMDAC:** 400 MHz

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 GPUs

Full Microsoft® DirectX® 10 support

DirectX 10 GPU with full Shader Model 4.0 support delivers unparalleled levels of graphics realism and film-quality effects

NVIDIA PhysX™ technology 1

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™ technology 2

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

3-way NVIDIA® SLI™ technology3

Industry leading 3-way NVIDIA SLI technology offers amazing performance scaling by implementing AFR(Alternate Frame Rendering), under Windows Vista with solid ,state-of-the-art drivers.

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® 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 game engine and AI

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 for every user and delivers continuous performance and feature updates over the life of NVIDIA GeForce® GPUs

OpenGL® 2.1 optimizations and support

Ensures 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 Ready

HDCP compliant. Supports standard, enhance and high –definition digital video signals, plus multi-channel digital audio on a single cable.

SPDIF Input

Digitally transferring audio signal from motherboards to graphics card.

NVIDIA PureVideo HD technology5

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.

Discrete, Programmable Video Processor

NVIDIA PureVideo is a discrete programmable processing core in NVIDIA GPUs that provides superb picture quality and ultra-smooth movies with 100% offload of H.264 video decoding from the CPU and significantly reduced power consumption.

Hardware Decode Acceleration

Provides ultra-smooth playback of H.264, VC-1, WMV and PEG-2 HD and SD movies.

Dual Stream Decode Acceleration

Hardware acceleration for HD picture-in-picture enables a complete HD movie playback experience.



Dynamic contract Enhancement

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

Dual-link HDCP Capable6

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

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, up to 1080i, 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)

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 after they have been converted from 24 to 25 or 30 frames, 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 object