



SPARKLE NV 9400 GT 1G, PASSIVE HEATSINK, LOW PROFILE, HDCP, PCI VIDEO CARD

Specification:

Model Number	SP94GT1024D2LHP	Graphics Processing Unit	NVIDIA GeForce 9400GT
UPC Code	4710710445713	Core Clock	550 MHz
Dimension (LxWxH)	7"x2"x12"	Memory Type	1024MB DDR2
Weight (LBs)	1.0 lbs.	Memory Interface	128-Bit
Master Carton	20	Shader Clock	1400 MHz
Warranty	365 DAYS	Bus Type	PCI
		RAMDAC	400 MHz
		Signal Output	CRT+HDTV-OUT+DVI+HDCP

Key Features:

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

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

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

NVIDIA® Quantum Effects™ Technology

Advanced shader processors architected for physics computation enable a new level of physics 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 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).

NVIDIA PureVideo HD technology

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.

HDCP Capable:

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.

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.