



NVIDIA® GeForce® 7900 GS | Sell Sheet

Product Segment: Performance

Amazing price performance with full support for NVIDIA® SLI™ technology

Key Messages

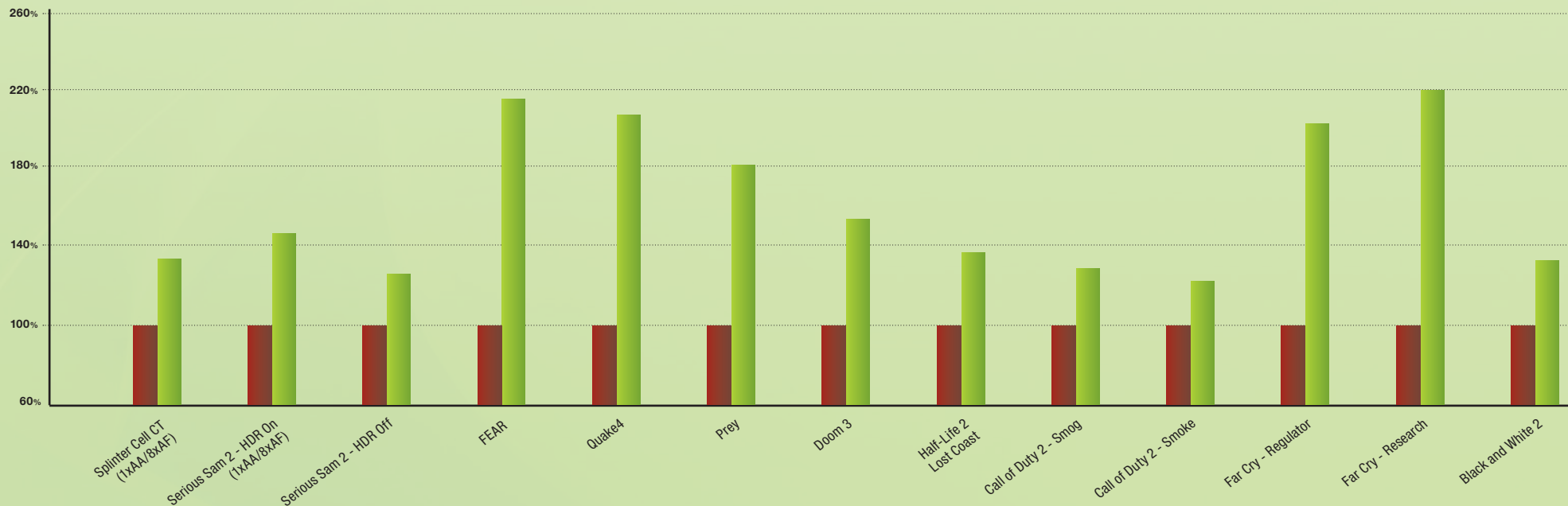
- Ultra-realistic gaming experiences at resolutions up to 2560 x 1600
- Smooth, high-definition video playback with NVIDIA® PureVideo™ HD* technology
- 256-bit memory interface and fast GDDR3 memory
- Enables a premium Windows Vista™ user experience

**Available on select GeForce 7900 GS GPUs only*

Performance Summary

Designed for extreme HD gaming, NVIDIA® GeForce® 7900 GS GPUs deliver the most graphics performance bang for the buck, including ultra-realistic gaming experiences and resolutions up to 2560 X 1600. A 256-bit memory interface and fast GDDR3 memory enable blazing graphics performance at maximum quality settings. The GeForce 7900 GS also delivers smooth high-definition video and crisp picture quality using PureVideo™ HD* technology.

■ Radeon X1800 GTO ■ GeForce 7900 GS



**All benchmarks at 1600x1200 resolution 4xAA/8xAF unless otherwise specified. Benchmarks obtained on a 2.67GHz Core 2 Duo Platform using Forceware 91.47 and Catalyst 6.8 Drivers*

Product Segment

Enthusiast	GeForce 7950 GX2	
	GeForce 7900 GTX	Radeon® X1900 XTX Radeon X1900 XT
	GeForce 7950 GT	Radeon X1900 GT
Performance	GeForce 7900 GS	Radeon X1800 GTO
	GeForce 7600 GT	Radeon X1600 XT
	GeForce 7600 GS	Radeon X1600 Pro
Mainstream	GeForce 7300 GT	Radeon X1300 Pro
	GeForce 7300 GS	Radeon X1300 LE
	GeForce 7300 LE	Radeon X1300 LE
	GeForce 6500	Radeon X550
	GeForce 7100 GS	
Value	GeForce 6200 TC/LE	Radeon X300 SE/HM





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Product Comparison

	 NVIDIA NVIDIA GeForce 7900 GS	 ATI ATI Radeon X1800 GTO
Graphics Bus Technology	PCI Express	PCI Express
Process	90 nanometer	90 nanometer
Memory	256MB GDDR3	256MB GDDR3
Memory Interface	256-bit	256-bit
Core Clock	450MHz	500MHz
Memory Clock	660MHz	500 MHz
Pixel Pipelines	20	12
Memory Bandwidth	42.24 GB/sec.	32.0 GB/sec.
Fill Rate	13.2 B texels/sec	6 B texels/sec
Graphics Card Length	9 inches	9 inches
# of Slots (width)	1	1
RAMDACs	400 MHz	400 MHz
Maximum Analog Resolution	2048 x 1536	2048 X 1536
Maximum Digital Resolution	2560 x 1600	2560 X 1600

7900 GS Features and Benefits

Feature	Benefit
Full Microsoft® DirectX® 9.0 Shader Model 3.0 Support	The standard for today's PCs and next-generation consoles enables stunning and complex effects for cinematic realism.
NVIDIA® SLI™ Technology¹	NVIDIA's revolutionary SLI ² technology allows users to intelligently scale graphics performance by combining multiple NVIDIA graphics solutions in a single system with an NVIDIA nForce® SLI MCP.
NVIDIA® CineFX® 4.0 Engine	Next-generation shader architecture with new texture unit design streamlines texture processing for faster and smoother gameplay.
True High Dynamic-Range (HDR) Rendering Support	Based on the OpenEXR technology from Industrial Light & Magic, the ultimate lighting effects bring environments to life for a truly immersive, ultra-realistic experience.
NVIDIA® PureVideo™ HD Technology³	The combination of high-definition video processors and decoder software delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for all video content.
NVIDIA® ForceWare® Unified Driver Architecture (UDA)	Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications.
Built for Microsoft® Windows Vista™	NVIDIA's third-generation GPU architecture built for Windows Vista gives users the best possible experience with the 3D graphical user interface.
HDCP Capable⁴	Allows playback of HD-DVD, Blu-ray Disc, and other protected content at full HD resolutions with integrated High-bandwidth Digital Content Protection (HDCP) support.

¹ NVIDIA SLI certified versions of GeForce PCI Express GPUs only.
² See www.slizone.com for details.

³ Feature requires supported video software. Features may vary by product.
⁴ Requires other compatible components that are also HDCP capable.



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