NVIDIA DESKTOP GRAPHICS PROCESSORS

QUICK GUIDE

GEFORCE & ION DESKTOP LINECARD

Graphics Processing Unit (GPU)		Replaces ATI Board	DirectX	PhysX	NVIDIA SLI®	Gaming Experience	NVIDIA Surround	3D Gaming	3D Photos & 3D Videos	3D Blu-ray	Watch HD	Create & Edit HD	Recommended Apps	CUDA Cores	Standard Memory Configuration	Performance
						Gaming	**3D Vision Ready**				**HD Media**			**Specifications**		
GEFORCE GTX	GeForce GTX 590	HD 6990	11.0	✓	Quad	1920x1080 and up @ Max Settings	3D Vision Surround	1920x1080 and up @ Max Settings	✓	✓	✓	✓	Digital Artistry: Adobe Creative Suite 5 — Video Editing: Motion DSP vReveal HD	1024	3072 MB GDDR5	
	GeForce GTX 580	HD 6970	11.0	✓	3-way		3D Vision Surround		✓	✓	✓	✓		512	1536 MB GDDR5	
	GeForce GTX 570	HD 6970 / HD 6950	11.0	✓	3-way		3D Vision Surround		✓	✓	✓	✓		480	1280 MB GDDR5	
	GeForce GTX 560 Ti	HD 6950 / HD 6870	11.0	✓	2-way	1920x1080@ High Settings	3D Vision Surround	1920x1080 and up@ High Settings	✓	✓	✓	✓		384	1024 MB GDDR5	
	GeForce GTX 560	HD 6870	11.0	✓	2-way		3D Vision Surround		✓	✓	✓	✓		336	1024 MB GDDR5	
	GeForce GTX 460	HD 6850 / HD 6790	11.0	✓	2-way		3D Vision Surround		✓	✓	✓	✓		336	1024 MB / 768 MB GDDR5	
	GeForce GTX 550 Ti	HD 6770 / HD 5770	11.0	✓	2-way	1680x1050	NVIDIA Surround	1680x1050	✓	✓	✓	✓		192	1024 MB GDDR5	
GEFORCE GTS	GeForce GTS 450	HD 6750 / HD 6670	11.0	✓	2-way		NVIDIA Surround		✓	✓	✓	✓	Photo Slideshow: Muvee Reveal — Photo Tagging: Cyberlink MediaShow 5 — Media Conversion: Cyberlink MediaShow Espresso — Video Editing: Cyberlink PowerDirector 8	192	1024 MB GDDR5	
GEFORCE GT	GeForce GT 440	HD 6670 / HD 6570	11.0	✓		1440x900		Not Recommended	✓	✓	✓	✓		96	512 MB GDDR5	
	GeForce GT 430	HD 6570 / HD 5570	11.0	✓					✓	✓	✓	✓		96	1024 MB/2048 MB DDR3	
	GeForce GT 520	HD 6450	11.0	✓					✓	✓	✓	✓		48	1024 MB DDR3	
	GeForce 9500 GT	HD 4650	10.0		2-way				✓		✓	✓		32	512 MB GDDR2	
GEFORCE	GeForce 210	HD 5450	10.1			1280x720			✓		✓		HD Streaming: Adobe Flash Player 10.2 — [NEW] GPU-Accelerated Browsers: Internet Explorer 9, Mozilla Firefox 4, Google Chrome — DVD Upscaling: Arcsoft Total Media Theater	16	512 MB/1024 MB DDR2	
	GeForce 8400 GS	HD 4350	10.0						✓		✓			8	512 MB DDR2	
ION	ION	n/a	10.1						✓		✓			16	512 MB DDR3	

1 Blu-ray 3D playback requires compatible Blu-ray 3D player software from companies such as CyberLink and Arcsoft. Please continue to check the 3D Vision product home page for more details on Blu-ray 3D support.

WHY NVIDIA GEFORCE?

> GeForce® is the **most stable, reliable, and recognized** brand in graphics technology, and is the leading GPU of choice for both corporate and consumer computer users.

> GeForce GPUs give today's hottest games an adrenaline shot with blazing performance and visually-stunning graphics. And GeForce delivers more than just great graphics; NVIDIA 3D Vision™, CUDA™, and PhysX® technologies power stereoscopic 3D and next-generation effects for the ultimate in immersive gaming.

> GeForce GPUs are backed by the NVIDIA® GeForce unified driver architecture, ensuring the best out-of-box experience for every user. GeForce drivers deliver industry-leading graphics features; one driver for all products and continual performance and featureupdates over the life of the product.

> GeForce is a top-to-bottom solution, delivering GPUs for every user and every budget.From the PC gamer who craves the best graphic performance to the mainstream digital media user, GeForce GPUs provide the perfect solution.

> NVIDIA invents and delivers industry-shaping technologies that revolutionize the end-user experience including NVIDIA 3D Vision™ Surround, NVIDIA SLI®, and NVIDIA® PureVideo® HD technologies.

FEATURES AT A GLANCE

> NVIDIA CUDA, DirectCompute, and OpenCL

> NVIDIA GeForce Drivers

> HD Video Decode Acceleration

> Multi-Monitor Support

> Max Analog Resolution: 2048x1536

> Max Digital Resolution: 2560x1600

DRIVER/OS SUPPORT

> Windows 7 32-bit, Windows 7 64-bit

> Windows Vista 32-bit, Windows Vista 64-bit

> Windows XP 32-bit

> Windows XP Professional 64-bit

> Windows Server 2003 64-bit

> Linux 32-bit, Linux 64-bit

> FreeBSD 32-bit, FreeBSD 64-bit

For more information on NVIDIA and NVIDIA GeForce products, visit **www.nvidia.com**

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