



NVIDIA Motherboard GPUs

Featuring NVIDIA GeForce GPUs and NVIDIA nForce MCPs

Home Theatre Quality HD Video

- NVIDIA® PureVideo™ technology for stunning video playback and superb picture clarity
- HDTV without the expense of additional home-theater devices
- Offloads video decoding from the CPU, resulting in smooth, stutter-free, high-definition video playback
- Supports H.264, VC-1, and MPEG-2 HD-Video playback formats

Award-Winning GeForce® GPUs

- Revolutionary design that delivers best-in-class performance on today's digital media and graphics applications
- Support for Microsoft DirectX® 9.0 Shader Model 3.0 for cutting-edge effects
- Improve productivity with the ability to drive two displays with NVIDIA nView™ Technology

Award-Winning NVIDIA nForce® MCPs

- Uncompromised features and system performance
- Includes NVIDIA MediaShield™ technology to confidently store and protect priceless digital assets
- Native networking support including Gigabit Ethernet on select models
- SATA drive compatibility and PCIe expandability

Flexible Platform for Mainstream PCs

- Ready for Microsoft® Windows Vista™ Premium experience
- Easily upgraded to discrete GeForce GPUs
- Perfect for building a wide variety of systems including media PCs, home PCs, and business PCs

		CPU			Graphics				Mediashield Storage			OS			Audio	Networking	Video/display options				
		Processor Supported	Socket Supported	DDR Support	Advanced Bus Support	Graphics Clock	DirectX 9.0 Shader Model 3.0 support	Multi-display capable	SATA/PATA Drive Support	SATA	Supported RAID Configurations	Microsoft® Windows® Vista™ Premium Capable	Microsoft Windows XP	Microsoft Windows 2000	Audio Specification	NVIDIA Native Ethernet Connections	NVIDIA PureVideo Technology	Integrated HDMI with HDCP	TV Encoder	Integrated DVI with HDCP	
Product	Ideal for																				
NVIDIA Motherboard GPUs for AMD	NVIDIA GeForce 7050 PV NVIDIA nForce 630a	Athlon 64 X2 Athlon 64 Sempron	AM2	DDR2	PCI Express® x16, x1	425 MHz	✓	✓	4/2	3Gb/s	0, 1, 0+1, 5	✓	✓	✓	HDA	10/100/1000	✓	✓	✓*	✓	
	NVIDIA GeForce 7025 NVIDIA nForce 630a	Athlon 64 X2 Athlon 64 Sempron	AM2	DDR2	PCI Express x16, x1	425 MHz	✓	✓	4/2	3Gb/s	0, 1, 0+1, 5	✓	✓	✓	HDA	10/100/1000				✓	
	NVIDIA Quadro NVS 210S NVIDIA nForce 430	Athlon 64 X2 Athlon 64 Sempron	AM2	DDR2	PCI Express x16, x1	425 MHz	✓	✓	4/2	3Gb/s	0, 1	✓	✓	✓	HDA	10/100/1000				✓***	
	NVIDIA GeForce 6150 SE NVIDIA nForce 430	Mainstream PC	Athlon 64 X2 Athlon 64 Sempron	AM2 939 754	DDR2** DDR	PCI Express x16, x1	425 MHz	✓		4/2	3Gb/s	0, 1, 0+1, 5	✓	✓	✓	HDA	10/100/1000				
	NVIDIA GeForce 6100 NVIDIA nForce 430	Mainstream PC	Athlon 64 X2 Athlon 64 Sempron	AM2 939 754	DDR2** DDR	PCI Express x16, x1	425 MHz	✓		4/2	3Gb/s	0, 1, 0+1, 5	✓	✓	✓	HDA	10/100/1000				
	NVIDIA GeForce 6100 NVIDIA nForce 405	Value PC	Athlon 64 X2 Athlon 64 Sempron	AM2 939 754	DDR2** DDR	PCI Express x8, x1	425 MHz	✓		2/2	3Gb/s	0, 1	✓	✓	✓	HDA	10/100				

* Feature supported on select models

** Supported on socket AM2 only

*** DVI without HDCP support



NVIDIA Motherboard GPU Features and Benefits*

NVIDIA MGPU | LINECARD | APR07

	Features	Benefits
Graphics	PCI Express®	Supports the latest add in graphics cards and other features with x16 and x1 lanes. Delivers 4GB/sec. in both upstream and downstream data transfers over x16 lanes
	Microsoft® DirectX® 9.0 Shader Model 3.0 Support	Ensures top-notch compatibility and performance for all Microsoft® DirectX® 9.0 applications, including Shader Model 3.0 titles
Storage	NVIDIA® MediaShield™ Storage Technology	Suite of features that safeguards your most important digital media assets, including: <ul style="list-style-type: none"> - Multiple Disk Setup: Simple point and click wizard-based interface for RAID configurations across SATA devices - DiskAlert System: identifies the specific disk in the event of a failure - RAID Morphing: ability to change from one supported RAID configuration to another - Bootable RAID Array: supports the use of multi-disk configurations for loading the operating system at power-up
	SATA 3Gb/sec.	Blazingly fast disk performance with the latest SATA-2 hard disk drives with full support for native and tagged command queuing and hot plug
	Ultra ATA-133	Dual-channel ATA interface capable of a maximum data transfer rate of 133 Mbps per channel
OS support	Microsoft Windows® Vista™ Premium	NVIDIA motherboard GPUs are ready for Microsoft Windows Vista Premium when coupled with 1GB of system memory
Audio	High Definition Audio (HDA)	Features 32-bit, 192kHz quality for eight channels
Software	NVIDIA Forceware™ Platform Software	Delivers industry-leading features and rock-solid stability and reliability for NVIDIA Motherboard GPUs
Connectivity	USB 2.0	The industry's fastest Gigabit Ethernet performance eliminates network bottlenecks and improves overall system efficiency and performance
	Windows Control Panel	Provides easy access to system set-up and configuration. Interface determined by software version
Video/display options	NVIDIA® PureVideo™ Technology	The combination of the GeForce GPU's high-definition video processor and software delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for all video content to turn your PC into a high-end home theater
	Integrated HDMI with HDCP	On board HDMI connector 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.
	Integrated HDTV Encoder	Provides world-class HDTV-out functionality up to and including 1920x1080i resolutions. Includes RCA, S-video and component output support
	Single-Link DVI with HDCP	Able to drive any single-link digital flat-panel display
	NVIDIA nView™ Multi-Display Technology	Advanced technology provides the ultimate in viewing flexibility and control for multiple monitors

* Features vary by product and motherboard design. Please confirm actual specs with your motherboard manufacturer

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

© 2007 NVIDIA Corporation. NVIDIA, the NVIDIA logo, NVIDIA nForce, GeForce, NVIDIA SLI, MediaShield, nTune, nView, Forceware, and PureVideo are trademarks and/or registered trademarks of NVIDIA Corporation. All rights reserved. All company and product names may be trademarks or registered trademarks of the respected owners with which they are associated. Features, pricing, availability, and specifications are subject to change without notice.

