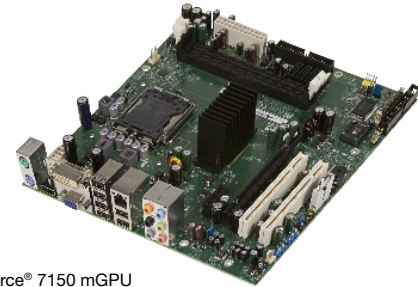




NVIDIA-based Motherboard Family for Intel



NVIDIA nForce® 790i
Ultra SLI® MCP



NVIDIA GeForce® 7150 mGPU

Why NVIDIA nForce MCPs?

NVIDIA® SLI® Technology

- The combination of NVIDIA nForce® MCPs and GeForce® GPUs deliver the ultimate PC gaming experience
- Revolutionary platform innovation that allows users to intelligently scale graphics performance by combining multiple NVIDIA graphics solutions
- SLI-certified components deliver unmatched performance and compatibility with NVIDIA nForce based motherboards

Advanced Networking

- Native Gigabit Ethernet solution with low CPU utilization
- NVIDIA DualNet® technology includes teaming and TCP/IP acceleration for greater bandwidth and better system performance
- Prioritize important network traffic with NVIDIA FirstPacket™ technology

Performance

- ESA-certified components and applications bring you unprecedented control to monitor and tune your PC performance
- NVIDIA Control Panel utility gives you access to BIOS level settings directly from Microsoft Windows to quickly optimize PC performance
- SLI-Ready memory with EPP increases the bandwidth of memory buses with select third party components with one click implementation

Storage

- Confidently store and protect priceless digital media files with NVIDIA MediaShield™ technology
- Support for multiple SATA 3Gb/s drives
- Reliable, accessible, scalable, and easy to manage storage

Why NVIDIA GeForce Motherboard GPUs?

GeForce® Experience More Affordable than Ever

- Best-in-class performance on today's media rich applications
- Experience cutting-edge effects with support for Microsoft DirectX® 9.0
- Ready for Microsoft® Windows Vista™ Premium experience

Digital Connectivity

- Exceptional visual quality with integrated HDMI or DVI display output
- Improved productivity with the ability to drive two displays with NVIDIA nView™ technology

Award-Winning Core Logic

- Uncompromised features and system performance with support for DDR2-800 memory
- Support for the complete range of Intel CPUs including full 1333Mhz FSB and 45nm support
- Confidently store and protect priceless digital assets with NVIDIA MediaShield™ technology

Flexible Platform for Mainstream PCs

- Easily upgraded to discrete GeForce GPUs
- Perfect for building a wide variety of systems including media PCs, home PCs, and business PCs



Quick Guide to NVIDIA-based Motherboards for Intel

		GRAPHICS						CPU			PERFORMANCE TUNING			MEMORY		STORAGE		OS	AUDIO	NETWORKING	
PRODUCT	IDEAL FOR	Form Factor	NVIDIA® SLI® Technology	PCI Express® x16 slots	PCI Express 2.0	DirectX Support	Display Outputs	Processor Supported	Socket Supported	FSB Speed	ESA-Certified	NVIDIA Control Panel	NVIDIA System Monitor	DDR Support	SLI-Ready Memory	SATA/PATA Drive Support	NVIDIA MediaShield™ RAID	Microsoft® Windows® Vista™ Capable	Audio Specification	Gigabit Ethernet Connections	NVIDIA FirstPacket™ technology
NVIDIA nForce MCPs	nForce 790i Ultra SLI	Enthusiast Overclocker, Extreme Gamer, Power User, Multimedia Enthusiast	ATX	3-way SLI (3x16)	3	✓		Core™ 2 Family (including full 45nm support)	LGA775	1600 MHz	✓	✓	✓	Dual DDR3 1333	Dual DDR3 2000	6/2	0, 1, 0+1, 5	✓	HDA	2	✓
	nForce 790i SLI		ATX	3-way SLI (3x16)	3	✓		Core 2 Family (including full 45nm support)	LGA775	1600 MHz	✓	✓	✓	Dual DDR3 1333	Dual DDR3 1333	6/2	0, 1, 0+1, 5	✓	HDA	2	✓
	nForce 780i SLI		ATX	3-way SLI (3x16)	3	✓		Core 2 Family (including full 45nm support)	LGA775	1333 MHz	✓	✓	✓	Dual DDR2 800	Dual DDR2 1200	6/2	0, 1, 0+1, 5	✓	HDA	2	✓
	nForce 680i SLI		ATX	3-way SLI (2x16)	3			Core 2 Family	LGA775	1333 MHz	✓	✓	✓	Dual DDR2 800	Dual DDR2 1200	6/2	0, 1, 0+1, 5	✓	HDA	2	✓
	nForce 750i SLI	Performance Gamer, Multimedia User	ATX	2-way SLI (2x8)	2	✓		Core 2 Family (including full 45nm support)	LGA775	1333 MHz		✓	✓	Dual DDR2 800		4/4	0, 1, 0+1, 5	✓	HDA	1	✓
	nForce 650i SLI		ATX	2-way SLI (2x8)	2			Core 2 Family	LGA775	1333 MHz		✓	✓	Dual DDR2 800		4/4	0, 1, 0+1, 5	✓	HDA	1	✓
	nForce 650i Ultra		ATX		1			Core 2 Family	LGA775	1333 MHz				Dual DDR2 800		4/4	0, 1, 0+1, 5	✓	HDA	1	✓
	nForce 630i	Mainstream Business User, Casual Gamer, Home PC User	ATX		1			Core 2 Family (including full 45 nm support) Pentium Family	LGA775	1333 MHz				DDR2 800		4/2	0, 1, 0+1, 5	✓	HDA	1	
NVIDIA GeForce mGPUs	GeForce 7150 nForce 630i	Mainstream Business User, Home PC User	uATX		1		9	HDMI DVI VGA	Core 2 Family (including full 45 nm support) Pentium Family Celeron Family	LGA775	1333 MHz					4/2	0, 1, 0+1, 5	✓	HDA	1	
	GeForce 7100 nForce 630i		uATX		1		9	HDMI DVI VGA	Core 2 Family (including full 45 nm support) Pentium Family Celeron Family	LGA775	1333 MHz					4/2	0, 1, 0+1, 5	✓	HDA	1	
	GeForce 7050 nForce 630i		uATX		1		9	DVI VGA	Core 2 Family (including full 45 nm support) Pentium Family Celeron Family	LGA775	1333 MHz					4/2	0, 1, 0+1, 5	✓	HDA	1	
	GeForce 7050 nForce 610i	Mainstream Business User, Value PC Buyer	uATX		1		9	VGA	Core 2 Family (including full 45 nm support) Pentium Family Celeron Family	LGA775	1333 MHz					4/2	0, 1	✓	HDA	1*	

* 10/100 ethernet

Features and Benefits for NVIDIA-based Motherboards for Intel

	Features	Benefits
Graphics	NVIDIA® SLI® Technology	NVIDIA SLI technology is a revolutionary platform innovation that allows users to intelligently scale graphics performance by combining multiple NVIDIA graphics solutions in a single system with an NVIDIA nForce® SLI MCP
	PCI Express® x16 slots	Up to three full-bandwidth, 16-lane PCI Express slots ensure maximum performance for add in graphics cards. Offers twice the PCI Express bandwidth of x8 solutions
	PCI Express 2.0	Offers a future-proofing bridge to tomorrow's most bandwidth-hungry games and 3D applications by maximizing 5 GT/s of bandwidth (twice that of first generation PCI Express) and is fully backwards compatible with existing PCI Express products
	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
	Display Outputs	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. DVI with HDCP - Able to drive any single-link digital flat-panel display
CPU	Processor Supported	For a complete list of CPUs supported visit, visit http://www.nvidia.com/content/nforce700i/nForce_Intel_CPU_List.pdf
	Front Side Bus (FSB)	The front side bus on select NVIDIA based motherboards are specified up to 1600MHz to support existing and future FSB speeds. Through overclocking, however, NVIDIA based motherboards can deliver speeds beyond specification
Performance Tuning Tools and Software	ESA Certified	ESA-certified components and applications provide real-time and complete PC performance management, bringing you unprecedented control to manage and tune thermal, electrical, acoustic and operating characteristics to maximize your PC's performance.
	NVIDIA Control Panel Utility	Access, monitor, and dynamically adjust crucial system components including CPU temperatures, voltages, bus speeds, and CPU core speed in real time with clear, user-friendly control panel
	NVIDIA System Monitor	NVIDIA System Monitor allows you to seamlessly monitor PC characteristics in an intuitive and customizable 3D environment
Memory	NVIDIA DualDDR2 or DualDDR3 Architecture	Dual 64-bit memory controllers with a 128-bit interface to experience the highest level of system performance and run the most demanding applications
	NVIDIA SLI-Ready Memory with EPP	SLI-Ready memory with EPP increases the bandwidth of memory buses with select third party components with one click implementation
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 0, 1, 0+1, or 5 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. with NCQ	Blazingly fast disk performance with the latest SATA 3Gb/s. 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™ Capable	<ul style="list-style-type: none"> • NVIDIA nForce MCPs are ready for Microsoft Windows Vista Premium when coupled with an NVIDIA GeForce GPU and 512MB of system memory • NVIDIA GeForce mGPUs 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
Networking	NVIDIA Native Gigabit Ethernet	The industry's fastest Gigabit Ethernet performance eliminates network bottlenecks and improves overall system efficiency and performance
	NVIDIA FirstPacket™ Technology	Assures your game data, VoIP conversations, and large file transfers are delivered according to your set preferences. Lowers your ping time for improved online gaming

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

For more information on NVIDIA based Motherboards, visit www.nvidia.com/motherboards

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