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?

**Award-Winning GeForce® GPUs**
- Best-in-class performance on today's media rich applications
- Experience cutting-edge effects with support for Microsoft DirectX® 9.0 and 10
- Improve productivity with the ability to drive two displays with NVIDIA nView™ Technology

**Home Theatre Quality HD Video**
- Stunning video playback and superb picture clarity with NVIDIA PureVideo™ technology
- 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
- HDTV without the expense of additional home-theater devices

**Award-Winning Core Logic**
- Uncompromised features and system performance
- Confidently store and protect priceless digital assets with NVIDIA MediaShield™ technology
- Native networking support including Gigabit Ethernet
- 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
# Quick Guide to NVIDIA-based Motherboards for AMD Platforms

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<td>GeForce 7000 PV</td>
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<td>Display: DVI, VGA</td>
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<td>GeForce 6100</td>
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<td>uATX</td>
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<td>GeForce 410</td>
<td>Value</td>
<td>uATX</td>
<td>1</td>
<td>DVI</td>
<td>Display: DVI, VGA</td>
<td>AMD+ HT3</td>
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*† Socket AM2 only

**†† Gigabit Ethernet

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NVIDIA nForce MCPs

- **nForce 790a SLI:** Enthusiast
- **nForce 590:** Performance
- **nForce 770a:** Mainstream
- **nForce 560:** Value
- **nForce 710a:** Mainstream
- **nForce 520:** Mainstream
- **nForce 520 LE:** Value
- **GeForce 8300:** Mainstream
- **GeForce 8200:** Mainstream
- **GeForce 7050 PV:** Value
- **GeForce 7025:** Value
- **GeForce 6100:** Value
- **GeForce 410:** Value

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**Form Factor**
- ATX
- 3-way SLI
- 2-way SLI

**Technology**
- NVIDIA SLI® Technology
- PCI Express® x16 Slots
- NVIDIA HybridPower™
- NVIDIA MediaShield™

**Display Outputs**
- HDMI
- DVI
- VGA

**Processor Supplied**
- AMD
- HT3

**Socket Supplied**
- AM2
- AM2+

**Compatibility**
- Microsoft® Windows® Vista™ Capable
- Gigabit Ethernet

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**Product Ratings**
- **Enthusiast**
- **Performance**
- **Mainstream**
- **Value**
Features and Benefits for NVIDIA-based Motherboards for AMD

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<th>Features</th>
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<tr>
<td><strong>Graphics</strong></td>
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<tr>
<td>NVIDIA® SLI™ Technology</td>
<td>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</td>
</tr>
<tr>
<td>PCI Express® x16 slots</td>
<td>x16 PCI Express slots provides graphics expandability with add in graphics cards</td>
</tr>
<tr>
<td>NVIDIA GeForce Boost Technology</td>
<td>GeForce Boost turbocharges the performance of NVIDIA GeForce GPUs when combined with an NVIDIA motherboard. (On select products. Visit <a href="http://www.nvidia.com/hybridsl">www.nvidia.com/hybridsl</a> for more information)</td>
</tr>
<tr>
<td>NVIDIA HybridPower Technology</td>
<td>NVIDIA HybridPower unleashes graphics performance for demanding 3D applications and intelligently switches to low-power operation for everyday computing needs. (On select products. Visit <a href="http://www.nvidia.com/hybridsl">www.nvidia.com/hybridsl</a> for more information)</td>
</tr>
<tr>
<td>NVIDIA PureVideo® Technology</td>
<td>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</td>
</tr>
<tr>
<td>PCI Express 2.0</td>
<td>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</td>
</tr>
<tr>
<td>Microsoft® DirectX® Support</td>
<td>Ensures top-notch compatibility and performance for all Microsoft® DirectX® applications, including support for DirectX 10 on select products</td>
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<tr>
<td>Display Outputs</td>
<td>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</td>
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<tr>
<td><strong>Performance Tuning Tools and Software</strong></td>
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<tr>
<td>ESA Certified</td>
<td>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.</td>
</tr>
<tr>
<td>NVIDIA Control Panel Utility</td>
<td>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</td>
</tr>
<tr>
<td>NVIDIA System Monitor</td>
<td>NVIDIA System Monitor allows you to seamlessly monitor PC characteristics in an intuitive and customizable 3D environment</td>
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<td><strong>Memory</strong></td>
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<tr>
<td>NVIDIA SLI-Ready Memory with EPP</td>
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<tr>
<td>NVIDIA MediaShield™ Storage Technology</td>
<td>Suite of features that safeguards your most important digital media assets, including: • 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</td>
</tr>
<tr>
<td>SATA 3Gb/sec. with NCQ</td>
<td>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</td>
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<tr>
<td>Ultra ATA-133</td>
<td>Dual-channel ATA interface capable of a maximum data transfer rate of 133 Mbps per channel</td>
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<tr>
<td><strong>OS Support</strong></td>
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<tr>
<td>Microsoft® Windows® Vista™ Capable</td>
<td>• 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</td>
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<tr>
<td><strong>Audio</strong></td>
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<tr>
<td>High Definition Audio (HDA)</td>
<td>Features 32-bit, 192kHz quality for eight channels</td>
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<td><strong>Networking</strong></td>
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<tr>
<td>NVIDIA Native Gigabit Ethernet</td>
<td>The industry's fastest Gigabit Ethernet performance eliminates network bottlenecks and improves overall system efficiency and performance</td>
</tr>
<tr>
<td>NVIDIA FirstPacket™ Technology</td>
<td>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</td>
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* Features vary by product and motherboard design. Please confirm actual specs with your motherboard manufacturer.