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

## 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

## Performance
- With comprehensive overclocking tools to push the limits on front side bus (FSB) speed, the NVIDIA nForce 600i series is designed for overclocking
- NVIDIA nTune™ 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

## 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

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### NVIDIA nForce 600i SLI
**Product**: NVIDIA nForce 600i SLI
**Recommended Processor**: Core™2 Family
**Socket Supported**: LGA775
**FSB Speed**: 1333/1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 800 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 800 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 600i LT SLI
**Product**: NVIDIA nForce 600i LT SLI
**Recommended Processor**: Core™2 Family
**Socket Supported**: LGA775
**FSB Speed**: 1333/1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 800 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 800 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 650i SLI
**Product**: NVIDIA nForce 650i SLI
**Recommended Processor**: Core™2 Family
**Socket Supported**: LGA775
**FSB Speed**: 1333/1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 800 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 800 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 650i Ultra
**Product**: NVIDIA nForce 650i Ultra
**Recommended Processor**: Core™2 Family
**Socket Supported**: LGA775
**FSB Speed**: 1333/1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 800 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 800 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 630i
**Product**: NVIDIA nForce 630i
**Recommended Processor**: Core™2 Family, Pentium D, Pentium 4
**Socket Supported**: LGA775
**FSB Speed**: 1333/1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 800 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 800 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 590 SLI
**Product**: NVIDIA nForce 590 SLI
**Recommended Processor**: Core™2 Family, Pentium D, Pentium 4
**Socket Supported**: LGA775
**FSB Speed**: 1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 667 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 667 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 570 SLI
**Product**: NVIDIA nForce 570 SLI
**Recommended Processor**: Core™2 Family, Pentium D, Pentium 4
**Socket Supported**: LGA775
**FSB Speed**: 1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 667 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 667 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 4 SLI X16
**Product**: NVIDIA nForce 4 SLI X16
**Recommended Processor**: Core™2 Family, Pentium D, Pentium 4
**Socket Supported**: LGA775
**FSB Speed**: 1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 667 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 667 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 4 SLI
**Product**: NVIDIA nForce 4 SLI
**Recommended Processor**: Core™2 Family, Pentium D, Pentium 4
**Socket Supported**: LGA775
**FSB Speed**: 1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 667 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 667 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 4 SLI XE
**Product**: NVIDIA nForce 4 SLI XE
**Recommended Processor**: Core™2 Family, Pentium D, Pentium 4
**Socket Supported**: LGA775
**FSB Speed**: 1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 667 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 667 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

### NVIDIA nForce 4 Ultra
**Product**: NVIDIA nForce 4 Ultra
**Recommended Processor**: Core™2 Family, Pentium D, Pentium 4
**Socket Supported**: LGA775
**FSB Speed**: 1066/800 MHz
**Extreme FSB Overclocking**: Good
**PCI Express® Advanced Bus Support**: SLI x16
**NVIDIA SLI™ Technology**: DualDDR2 up to 667 MHz
**Third PCIe Graphics Expansion Support**: DualDDR2 up to 667 MHz
**NVIDIA SLI Ready Memory EPP**: Yes
**DDR Support**: DDR2 up to 800 MHz
**Support for NVIDIA SLI Ready Memory EPP**: Yes
**SATA/PATA Drive Support**: SATA, Supported RMD Configurations
**Microcontroller Standalone**: HDA
**Audio Specification**: NVIDIA nTune™ Utility, NVIDIA Gigabit Ethernet Connections

* Available on CPUs supporting 1333MHz FSB
<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPU</strong></td>
<td>Dynamic Adaptive Speculative Pre-processor (DASP)</td>
</tr>
<tr>
<td>Extreme FSB overclocking</td>
<td>The front side bus (FSB) in the NVIDIA nForce 610 series is specified to run at 1333MHz to support existing and future FSB speeds. Through overclocking, however, the NVIDIA nForce 610 Series can deliver speeds well beyond FSB specification.</td>
</tr>
<tr>
<td><strong>Graphics Interface</strong></td>
<td>PCI Express®</td>
</tr>
<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>Third PCIe Slot for Graphics Expansion</td>
<td>Make sure your rig is ready for the future. The third PCIe slot can be used for new three GPU applications or a PCIe card of your choice.</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>NVIDIA DualDDR2 Architecture (Dual 64-bit memory controllers, 128-bit interface)</td>
</tr>
<tr>
<td>NVIDIA SLI-Ready Memory with EPP</td>
<td>SLI-Ready memory with EPP increases the bandwidth of memory buses with select third party components with one click implementation</td>
</tr>
</tbody>
</table>
| **Storage** | NVIDIA® MediaShield™ Storage Technology | 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 |
| SATA 3Gb/sec. with NCQ | Blazingly fast disk performance with the latest SATA 3Gb/sec. hard disk drives with full support for native and tagged command queuing and hot plug |
| Parallel 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 | NVIDIA nForce-based motherboards are perfect for Microsoft Windows Vista when coupled with an NVIDIA GeForce® graphics processing unit and 512MB of system memory |
| **Audio** | High Definition Audio (HDA) | Features 32-bit, 192kHz quality for eight channels |
| AC’97 Audio | Features 20-bit, 48kHz support, and is fully AC’97 compliant |
| **Performance Tuning Tools and Software** | NVIDIA nTune™ 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 Forceware™ Platform Software | Delivers industry-leading features and rock-solid stability and reliability for NVIDIA nForce MCPs |
| **Connectivity** | USB 2.0 | Connect to a variety of digital devices including mice, keyboards, game controllers, digital cameras, and digital camcorders |
| **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 |
| NVIDIA DualNet® technology | Two Gigabit Ethernet MACs with TCP/IP acceleration  
Teaming: allows two connections to work together to provide up to twice the Ethernet bandwidth for large data transfers from file servers to other PCs. It also provides network redundancy through fail-over capability |
| TCP/IP Acceleration | Delivers the highest system performance by offloading CPU-intensive packet filtering tasks in hardware, providing users with a fast networking environment |
| Checksum Offload | Improves networking efficiency by reducing CPU utilization. Allows the processor to concentrate on other tasks |
| Jumbo Frame Support | Reduces the number of calls to the network driver, thereby reducing CPU overhead and improves throughput |
| Windows Control Panel/Web-based Management | Provides easy access to system set-up and configuration. Interface determined by software version |
| IPv6 Support | Ability to future proof PC systems as standards evolve |

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