



Box Copy, Features and Benefits

NVIDIA nForce® 590 SLI MCP

Engineered for Enthusiasts

NVIDIA nForce® 590 SLI™ media and communications processors (MCPs) deliver the tools and performance PC enthusiasts demand. When combined with select NVIDIA GeForce graphics cards and other system components, you get automatic access to faster bus speeds. Ready for system overclocking and greater data throughput.

NVIDIA LinkBoost™ Technology

NVIDIA nForce 590 SLI MCP automatically increases bandwidth when select NVIDIA® GeForce® graphics cards are detected.

Designed for 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.

NVIDIA SLI Certified Components

Look for other components including select NVIDIA® GeForce® GPUs and system memory that automatically increase system bus speeds when paired with NVIDIA nForce 590 SLI motherboards. For more information on SLI-Certified components, visit www.SLIZone.com/nForce.

2 X 16 PCI Express SLI Support

Two full-bandwidth, 16-lane PCI Express links ensure maximum graphics performance for next-generation GPUs and games. Offers twice the PCI Express bandwidth of X8 SLI solutions.

NVIDIA MediaShield™ Storage

Suite of features that safeguards your most important digital media assets; always reliable, scalable, and accessible. Includes RAID and SATA drive support.

Multiple Disk Setup

Through a simple wizard-based interface, you can effortlessly set up your drives for better data protection, faster disk access or maximum storage capacity. MediaShield automatically selects RAID 0, 1, 0+1 or 5 configuration according to your needs. Advanced users can access RAID options directly.

DiskAlert System

The event of a disk failure, MediaShield users see an image that highlights which disk has failed to make it easier to identify, replace, and recover.

RAID Morphing

MediaShield allows users to change their current RAID set-up to another configuration in a one-step process called morphing. This eliminates the need to back up data and follow multiple steps in the process.

Bootable Multidisk Array

MediaShield storage fully supports the use of multi-disk array for loading the operating system at power-up.

**Six 6 SATA 3Gb/s Drives**

Combine up to 6 SATA drives into one volume for bigger, faster RAID. More drives mean more configuration options such as 6 RAID 0 (striped) drives for maximum throughput, or Dual RAID 5 arrays. Take advantage of the latest SATA-2, 3Gb/s hard disk drives with full support for native and tagged command queuing and hot plug. Native command queuing provides higher disk performance in a multi-threaded environment by performing out-of-order disk accesses.

Networking with NVIDIA nForce

NVIDIA networking delivers the highest network throughput at the lowest CPU utilization. The manageable and stable NVIDIA networking solution results in better networking management and a lower total cost of ownership. Only NVIDIA integrates this level of networking features to allow you to take your online experience to the next level.

NVIDIA Native Gigabit Ethernet

The industry's fastest Gigabit Ethernet performance eliminates network bottlenecks and improves overall system efficiency and performance.

NVIDIA FirstPacket™ technology

Be the 'King of Ping' with NVIDIA FirstPacket technology. Get the crystal-clear phone conversations and online gaming performance you expect. NVIDIA FirstPacket technology assures your game data, VoIP conversations, and large file transfers are delivered according to preferences set by you in an intuitive wizard.

NVIDIA DualNet® technology

Get Double-Barrel Gigabit Ethernet with two integrated networking connections on your NVIDIA nForce 500 series MCP.

Dual Gigabit Ethernet with Teaming

Teaming allows the two connections to work together to provide up to twice the Ethernet bandwidth for transferring large amounts of data from home 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 PC networking environment that is faster.

NVIDIA nTune™ 4.0 Utility

Now with access to more settings from this Windows-based utility. NVIDIA nTune performance manager allows automatic tuning for optimal performance and the ability to customize. Once configured, nTune automatically chooses the right system settings for the application that is being run based on your saved profiles and personal rules.

PCI Express

Designed to run with PCI Express bus architecture. This bus doubles the bandwidth of AGP 8X, delivering 4 GB/s of upstream data transfer and 4GB/s of downstream data transfer.

High Definition Audio (HDA)

High definition audio brings consumer electronics quality sound to the PC delivering high quality sound from multiple channels. Using HDA, systems can deliver 192 kHz/32-bit quality for eight channels, supporting new audio formats.

USB 2.0

A standard plug-and-play interface that provides easy-to-use connectivity for USB devices.