



Product Sheet



NVIDIA SLI™ technology is included on two models for up to 2x the gaming performance. The fastest platform for Intel processors is designed for extreme overclocking and is packed with innovative features including MediaShield™, FirstPacket™, and DualNet® technologies.

Extreme Overclocking

Best

NVIDIA SLI Technology

(2) x16

NVIDIA DualNet Technology

Yes

Third PCIe Slot for Graphics Expansion

Yes

High Definition Audio (HDA)

8 Channel

NVIDIA MediaShield™ Storage

Yes

SLI-Ready Memory with EPP

1200 MHz

NVIDIA Native Gigabit Ethernet

2 Ports

Socket

Intel Socket 775

Supported CPUs

Intel Core 2 Extreme (dual and quad core), Core 2 Duo, Core 2 Quad, Celeron D, Pentium 4, Pentium 4, Pentium D 9XX, Pentium D 8XX

USB

(10) 2.0 ports (6 Rear + 2x2 Onboard)

LAN

Dual Onboard LAN Supports 10/100/1000 Mb/s

PCI Slot

PCI-E x16 (2), PCI-E x8 (1), PCI-E x1 (2), PCI (2)

Audio

8-Channel High Definition Audio

SATA Speed

3GB/s

Socket

Intel Socket 775

JEDEC DDR2 Memory

800 MHz

Native Gigabit Ethernet Connections

2

System Memory

Dual Channel DDR2 533/667/800

IEEE 1394 (Firewire)

1394a @ 400 Mb/s

SLI Techonology

2 x16

Chipset

NVIDIA nForce 680i SLI MCP Chipset

SATA/PATA Drives

6/2

RAID

0,1,0+1,5

Front Side Bus

1333 MHz with supporting CPU

Highlighted Features

NVIDIA FirstPacket Technology, NVIDIA MediaShield Storage Technology, SLI-Ready Memory with EPP, TCP/IP Acceleration, Windows Vista Ready, nTune Utility

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 192kHz/32-bit quality for eight channels, supporting new audio formats.

Windows Vista™ Capable

NVIDIA nForce®-based motherboards are perfect for Microsoft® Windows Vista™ when coupled with an NVIDIA® GeForce® GPU and 512MB of system memory.

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 nForce SLI MCP. Available on nForce 680i SLI and nForce 650i SLI MCPs

DualDDR2 Memory Architecture

A state-of-the-art DualDDR2 memory controller allows high bandwidth and low latency data access to the CPU and GPU. Ensures data and information are relayed through the system as quickly as possible for incredible performance.

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.

PCI Express

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

USB 2.0

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

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 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 Native Gigabit Ethernet

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