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
Good
NVIDIA SLI Technology
(2) x16
SLI-Ready Memory with EPP
800 MHz
NVIDIA Native Gigabit Ethernet
1 Port
NVIDIA DualNet Technology
Yes
NVIDIA MediaShield™ Storage
Yes
High Definition Audio (HDA)
8 Channel
Socket
Intel Socket 775

JEDEC DDR2 Memory
800 MHz
IEEE 1394 (Firewire)
2) 1394a @ 400 Mb/s
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
System Memory
(4) 240-pin DIMM Slots (8 GB Max)
LAN
Onboard LAN Supports 10/100/1000 Mb/s
SATA/PATA Drives
6/2
PCI Slot
(2) PCI-E x16, (2) PCI-E x1, (2) PCI
SLI Techonology
2 x16
USB
(8) 2.0 ports (4 Rear + 2x2 Onboard)
Chipset
NVIDIA nForce 680i LT SLI MCP Chipset
Socket
INTEL SOCKET 775
RAID
0,1,0+1,5
Native Gigabit Ethernet Connections
1
SATA Speed
3.0GB/s
Audio
8-Channel High Definition Audio
Front Side Bus
Support up to 1333Mhz
Highlighted Features
nTune Utility,NVIDIA MediaShield Storage Technology,TCP/IP Acceleration,NVIDIA FirstPacket Technology,SLI-Ready Memory with EPP,Windows Vista Ready,NVIDIA FirstPacket Technology

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.