



Product Sheet



	JEDEC DDR2 Memory
	800 MHz (up to 1200MHz with EPP 1.0)
	IEEE 1394 (Firewire)
	(2) 1394a @ 400 Mb/s (1 Rear + 1 Onboard)
	LAN
	Dual Onboard LAN Supports 10/100/1000 Mb/s
	RAID
	0,1,0+1,5
	Front Side Bus
	1333 MHz with supporting CPU
	USB
	(10) USB 2.0 ports (6 Rear + 2x2 Onboard)
	Audio
	8-Channel High Definition Audio
	Native Gigabit Ethernet Connections
	Dual
	PCI-E
	(2) PCI Express 2.0, (1) PCI Express 1.0
	PCI Slot
	PCI-E 2.0 x16 (2), PCI-E 1.0 (1), PCI-E x1 (1), PCI (2)
	SATA/PATA Drives
	6/2
	Socket
	Intel Socket 775
	Chipset
	NVIDIA nForce 780i MCP
	System Memory
	Dual Channel DDR2 533/667/800
	SATA Speed
	3.0 Gb/s
	SLI Techonology
	3 x16 (3-Way SLI)
	Supported CPUs
	Intel Penryn, Core 2 Extreme, Core 2 Duo, Core 2 Quad, Pentium
	Highlighted Features
	NVIDIA FirstPacket Technology,TCP/IP Acceleration,Windows Vista Ready,SLI-Ready Memory with EPP,NVIDIA MediaShield Storage Technology

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.

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.

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 MediaShield™ Storage

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

NVIDIA Native Gigabit Ethernet

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

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.

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.

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.