Powering the Digital Media Experience

KEY FEATURES AND BENEFITS

NVIDIA nForce3 Media and Communications Processors

The feature-rich, single-chip design of the NVIDIA nForce™3 media and communications processors (MCPs) revolutionizes the architecture of motherboards designed to take advantage of the power of the new 64-bit AMD Athlon™ 64 processors.

Single-Chip Architecture

Revolutionary single-chip architecture enables higher-quality, full-featured motherboards and delivers maximum performance with the lowest system latency. The single-chip design also means less power consumption and less need for heat dissipation or special cooling hardware.

NVIDIA Networking Technology

NVIDIA networking delivers the highest throughput for network transfers and lower CPU utilization. The manageable and stable NVIDIA networking solution results in better networking performance and a lower total cost of ownership.

NVIDIA Gigabit Ethernet

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

NVIDIA RAID Technology

Provides support for RAID 0, RAID 1, and RAID 0+1, enabling the highest disk data transfer rates for the fastest system and application performance. NVIDIA RAID supports both SATA and ATA-133 disk controller standards and delivers the highest performance fault-tolerant solution for maximum data integrity.

Serial ATA

Next-generation storage technology enables easy to install, high-performance, low-power hard drives.

NVIDIA® StreamThru™ Data Transport System

The NVIDIA patent-pending isochronous data transport system provides uninterrupted data streaming for superior networking and broadband communications.

HyperTransport™ Technology

A state-of-the-art I/O bus interface delivering the highest continuous throughput—up to 6.4GB/sec.—between the NVIDIA nForce3 media and communications processor and the AMD Athlon 64 processor. Ensures data and information are relayed through the system as quickly as possible for incredible performance.

NVIDIA® ForceWare™ Unified Software Environment (USE)

Ensures the best out of box experience for every user by delivering industry-leading features for graphics, audio, video, communications, storage, and security; one driver for all products; and continual performance and feature updates over the life of the product.

NVIDIA Unified Driver Architecture (UDA)

All NVIDIA nForce solutions utilize the NVIDIA Unified Driver Architecture (UDA)—a single software driver solution across all NVIDIA products—ensuring easy installation, maintenance, and upgrades.

NVIDIA System Utility Application

Monitor system and CPU temperature, voltages, bus speeds, and CPU core speed in real time. Dynamically adjust bus speeds, memory timings, and voltages in a safe, easy to use Microsoft® Windows® interface, providing the opportunity to overclock or underclock system settings without having to enter the BIOS or change hardware jumpers. Advanced users can also change system settings from a Windows environment, and save those settings to a custom profile for export or later use.

NVIDIA NVMixer Application

Completely control all aspects of the NVIDIA nForce audio experience—including volume adjustment, recording options, and speaker configuration—through easy to follow wizards.

AGP 8X

Provides double the bandwidth of AGP 4X—2.1GB/sec. vs. 1.1GB/sec.—for uninterrupted data flow. Use the tuned AGP 8X interface to pair the NVIDIA nForce3 MCP with the latest NVIDIA® GeForce™-based graphics board for the ultimate gaming platform.

USB 2.0

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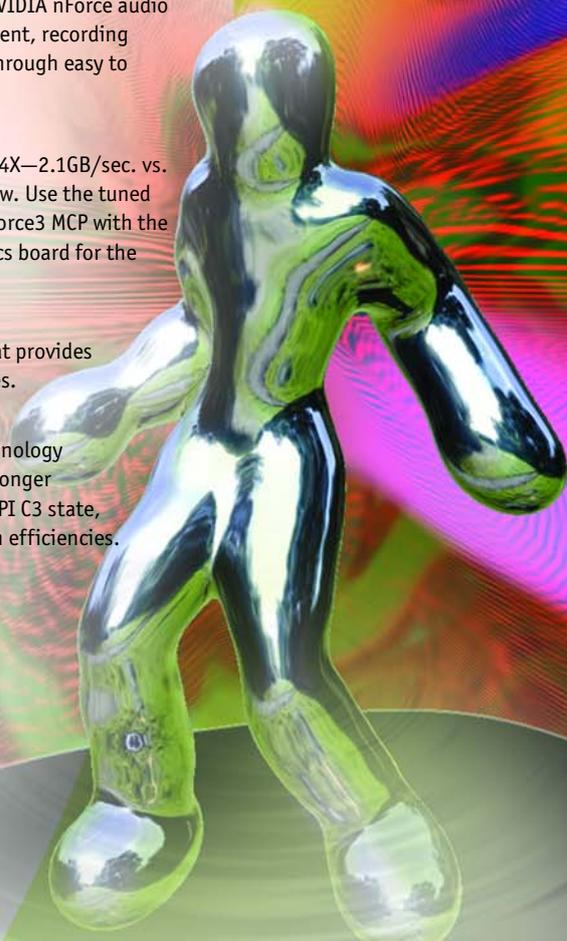
Power Management*

Full support for AMD's PowerNow! Technology for advanced power management and longer system battery life. Full support for ACPI C3 state, enabling maximum power consumption efficiencies.

*NVIDIA nForce3 Go only

MOTHERBOARD SUPPLIERS

Abit

AOpen

ASUSTek

Biostar

Chaintech

DFI

EPoX

FIC

Gigabyte

Jetway

Leadtek

MSI

Shuttle

Soltek

NVIDIA FEATURES AT A GLANCE

PRODUCT	NVIDIA 10/100 MAC	NVIDIA Gigabit Ethernet	NVIDIA RAID	USB 2.0	HARD DRIVES	EXTERNAL AGP SUPPORT	TARGET PLATFORM	DRIVER /OS SUPPORT	POWER MANAGEMENT
NVIDIA nForce3 Pro 150	yes	no	yes	6 ports	ATA-133 x4	8X/4X	Athlon 64 FX	Windows XP Windows 2000 Windows Me Windows 98 Linux 32 Linux 64 30+ Languages	
NVIDIA nForce3 250Gb	yes	yes	yes	8 ports	ATA-133 x4 SATA x4	8X/4X	Athlon 64 FX Athlon 64		
NVIDIA nForce3 250	yes	no	yes	8 ports	ATA-133 x4 SATA x4	8X/4X	Athlon 64		
NVIDIA nForce3 150	yes	no	yes	6 ports	ATA-133 x4	8X/4X	Athlon 64		
NVIDIA nForce3 Go150	yes	no	yes	6 ports	ATA-133 x4	8X/4X	Athlon 64 FX	Windows XP Windows 2000 Windows Me	ACPi 2.0 PowerNow!

NVIDIA CROSS-SELLING MATRIX

SEGMENT	NVIDIA Solution	Ideal for...	Competition
ENTHUSIAST	NVIDIA nForce3 Pro 150 NVIDIA nForce3 250Gb	Extreme Gamers, Overclockers, Multimedia Enthusiasts, Power Users	VIA K8T800 Intel 875
PERFORMANCE	NVIDIA nForce3 250Gb NVIDIA nForce3 250 NVIDIA nForce3 150	Extreme Gamers, Overclockers, Power Users	VIA K8T800 Intel 875
MAINSTREAM	NVIDIA nForce3 250 NVIDIA nForce3 150	Home PC User, Casual Gamer, Internet Enthusiast	VIA K8T800
MOBILE	NVIDIA nForce3 Go150	Multimedia Enthusiasts, Extreme Gamers, Power Users	VIA K8N800 Intel P4M