THE NVIDIA NFORCE2 PLATFORM ADVANTAGE

NVIDIA NFORCE2 PLATFORM PROCESSORS

NVIDIA has revolutionized AMD-based desktop PC performance for gaming, home and home office, and business users. From enthusiasts who demand blistering performance to mainstream users looking for a complete digital media experience to corporate users who require scalability, functionality, and versatile display capabilities—NVIDIA nForce™2 delivers.

Using NVIDIA nForce2 platform processors allows you to build the fastest, most feature-rich PCs. NVIDIA nForce2 platform processors bring new levels of performance and functionality to the AMD-based desktop PC market. NVIDIA nForce2 processors—featuring a staggering array of innovative system, memory, graphics, networking, and digital media functionality—form the technology foundation for today's PC platforms and motherboards, delivering the ultimate PC experience.

NVIDIA NFORCE GAMING PLATFORM

NVIDIA nForce2 platform processors unleash blistering system performance, Dolby® Digital 5.1 audio, and the ultimate in networking and digital connectivity to provide today's most demanding users with an incredible digital experience. The new NVIDIA nForce2 Ultra 400 platform processor delivers a 400MHz frontside bus and DualDDR 400 to powers today's most advanced performance motherboards.

NVIDIA NFORCE DIGITAL MEDIA PLATFORM

NVIDIA nForce2 platform processors power all of your digital media applications by combining performance, NVIDIA® GeForce™4 MX graphics, and a digital media gateway in a value-priced desktop PC.

NVIDIA NFORCE BUSINESS PLATFORM

The scalable NVIDIA nForce2 platform processors give today's AMD-based desktop PCs the overall performance, functionality, streamlined management features, and versatile multi-display capabilities needed for a stable and compatible desktop experience. NVIDIA nForce2 is backed by the NVIDIA Unified Driver Architecture, a single stable system image for simplified deployment and upgrades in the enterprise environment.

QUICK GUIDE TO NVIDIA NFORCE2 DESKTOP GRAPHICS PROCESSORS

System Platform Processors / Integrated Graphics Processors

| | FEATURES AT A GLANCE | | | | | | | MCP SUPPORTED | | SOFTWARE |
PRODUCT	FSB Speed	DDR Support	# of DIMM Slots	Max Memory	Memory Channel	Memory Interface	External AGP Support	MCP-T	MCP	Driver/OS Support
NVIDIA nForce2 Ultra 400	400	DDR400/333/266	3	3GB	DualDDR	128 bit	8X/4X	✓	✓	
NVIDIA nForce2 400	400	DDR400/333/266	3	3GB	Single Channel DDR	64 bit	8X/4X		✓	
NVIDIA nForce2 with GeForce4 MX Graphics	333	DDR333/266	3	3GB	DualDDR	128 bit	8X/4X	✓	✓	

UNIFIED DRIVER ARCHITECTURE

Windows® XP
Windows 2000
Windows NT® 4.0
Windows Me
Windows 98
Windows 95

OpenGL® ICD

OS/2 display drivers

Linux

30+ languages

Media and Communication Processors

| | FEATURES AT A GLANCE | | | | | | SOFTWARE |
PRODUCT	NVIDIA Soundstorm	NVIDIA 10/100 MAC	3com 10/100 MAC	FireWire	USB 2.0	Hard Drives	Driver/OS Support
NVIDIA nForce2 MCP-T	YES	YES	YES	YES	6 ports	ATA-133	
NVIDIA nForce2 MCP	NO	YES	NO	NO	6 ports	ATA-133	

UNIFIED DRIVER ARCHITECTURE

Windows® XP   OpenGL® ICD
Windows 2000
Windows NT® 4.0   OS/2 display drivers
Windows Me
Windows 98   Linux
Windows 95
     30+ languages

NVIDIA NFORCE2 DESKTOP FEATURES AND BENEFITS

	FEATURES	BENEFITS
CPU	Dynamic Adaptive Speculative Preprocessor (DASP)	• Great system performance. Boosts CPU speed by storing application instructions and data before they are needed.
MEMORY	NVIDIA DualDDR Architecture (Dual 64-bit Memory Controllers, 128-bit Interface)*	• Experience the highest level of system performance and run the most demanding applications with revolutionary dual 64-bit memory controllers.
GRAPHICS	**GeForce4 MX Graphics Features:** (NVIDIA nForce2 IGP Only)	
	NVIDIA Digital Vibrance Control™ (DVC)	• Industry-leading GeForce4 MX graphics core offers maximum flexibility, increased performance, and unbeatable visual quality.
	Transform and Lighting (T&L)	
	NVIDIA nView™ Multi-Display Technology	- Allows you to connect up to two displays, providing flexible viewing options.
	NVIDIA Accuview Antialiasing™ Technology	- Delivers exceptional visual quality without performance degradation.
	NVIDIA Video Processing Engine (VPE)	- Delivers crisp DVD and video playback.
AGP SLOT	AGP 8X/4X Graphics Interface	• Offers the option to upgrade to a higher performance graphics add-in card.
NETWORKING	NVIDIA StreamThru™ and NVIDIA 10/100BASE-T Ethernet	• Provides uninterrupted data streaming for superior networking and broadband communications.
	HomePNA 2.0	• Connect multiple PCs together through the wiring in your home.
	NVIDIA DualNet™ Technology**	• Features two networking ports for an instant media gateway.
	Integrated 3Com Networking Controller**	• Provides the fastest throughput for increased productivity.
CONNECTIVITY	USB 1.1	• Connect to a variety of digital devices including mice, keyboards, game controllers, and digital cameras.
	USB 2.0	• Support for these new standards provides the ultimate in connectivity for the latest digital devices.
	FireWire**	
	Ultra ATA-133 IDE Controller	• Provides maximum hard disk performance.
AUDIO	Audio	• Support for AC '97 audio for a low-cost solution.
	NVIDIA nForce APU**	• High-quality, hardware-accelerated audio solution delivers unprecedented 3D-positional audio and DirectX® 8.0-compatible performance to the PC platform.
	NVIDIA SoundStorm™**	• Features the NVIDIA APU with Dolby Digital 5.1 encoder. Delivers stunning audio and connections for Headphones, Front L/R, Rear L/R, Center/Sub, and S/PDIF outputs.
SOFTWARE	Unified Driver Architecture (UDA)	• The industry's first forward-and-backward compatible software driver delivering reliability, stability, and performance across all NVIDIA GPUs.

* with NVIDIA nForce2 Ultra 400   ** with NVIDIA nForce2 MCP-T

NVIDIA CROSS-SELLING MATRIX

SEGMENT	NVIDIA SOLUTION	IDEAL FOR	COMPETITION
Enthusiast	NVIDIA nForce2 Ultra 400 + NVIDIA nForce2 MCP-T	Extreme Gamers, Overclockers, Multimedia Enthusiasts, Power Users	Intel® 875
Performance	NVIDIA nForce2 Ultra 400 + NVIDIA nForce2 MCP	Extreme Gamers, Overclockers, Power Users	Intel 865, Intel 875
Mainstream	NVIDIA nForce2 400 + NVIDIA nForce2 MCP	Home PC User, Casual Gamer, Internet Enthusiast	Via KT600, Via KT400a, SiS748
Mainstream Graphics Motherboards	NVIDIA nForce2 IGP + NVIDIA nForce2 MCP-T/MCP	SOHO, Commercial Customers, Value PC Buyer	Via KM400, Intel 865G

MOTHERBOARD SUPPLIERS

- ABIT
- Albatron
- AOpen
- ASUSTek
- Biostar
- Chaintech
- DFI
- EPoX
- FIC
- Gigabyte
- Jetway
- Leadtek
- MiTAC
- MSI
- QDI/Legend
- Shuttle
- Soltek

For a complete list of motherboard suppliers, visit: **www.nvidia.com/motherboards**

WHY NVIDIA NFORCE2?

1. NVIDIA provides the fastest system performance including support for the latest AMD Athlon XP families, and the newest DDR memory technology.

2. Only NVIDIA nForce2 delivers high-performing graphics and real-time Dolby Digital 5.1 encoding and playback for leading-edge performance.

3. The NVIDIA Unified Driver Architecture (UDA) simplifies installation and maintenance by having one software driver version for all NVIDIA nForce platforms.

4. A flexible motherboard design offers customers a wide range of options and upgrade ability to target a variety of markets and price points.

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