

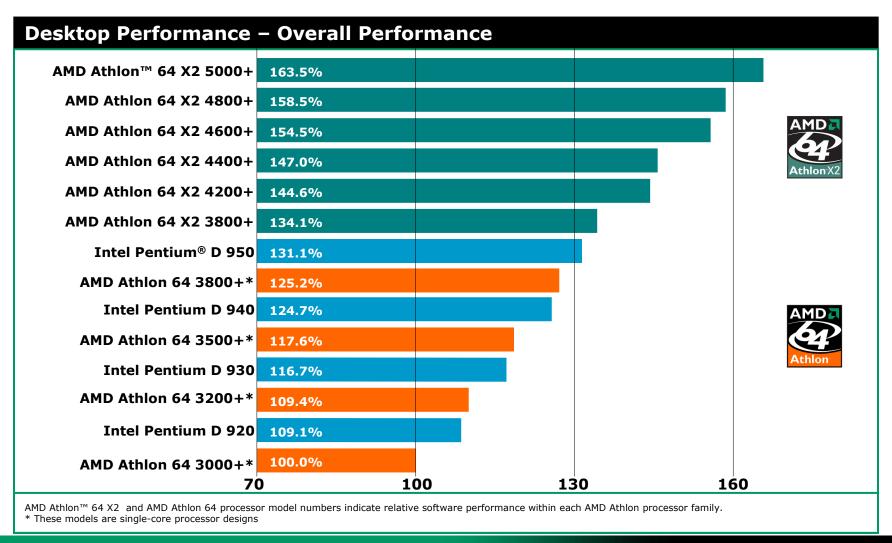
AMD Desktop Processor Benchmarks

June 2006

A summary of desktop processor performance benchmarks

Overall Performance

(Geometric Mean of: Office Productivity, Digital Media and Games)





AMD Processor-based System Configurations

Socket 939 Configuration

Operating System

Name: Microsoft Windows® XP Professional

Version: RTM, Service Pack 2 installed

Build #: 2600

DirectX Version: DirectX 9.0C

Hardware

Motherboard: Asus A8N32SLI-Deluxe

BIOS Info: 806

Is BIOS publicly available? No X

Chipset: NVIDIA nForce4 SLI X16

Memory

Manufacturer & Type: Corsair CMX512-3200XLPRO Ouantity & Size: (each)/(MB) Otv (2) 512 MB DIMM Module

Total Memory Size: (MB) 1 GIG total

Hard Drive

Model Name: Western Digital Raptor

Model Number: WD1500ADFD Hard Drive Size: 150 GB

Transfer Mode: SATA 10K RPM

Other Info: NTFS was used to format the hard disk

Network Card Included with Operating System: Yes X No

Name: Integrated on motherboard Model Number: Marvell Yukon 88E8053

PCIe™ Gigabit Ethernet Controller

Sound Card

Manufacturer's Name: Model Number: Realtek AC'97 Audio

Version Number: N/A

Video Card

Graphics Adapter: X1900XTX Memory Size (MB) and Type: 512DDR3

Drivers

Network Card Publisher Name: Marvell Version: 8.27.43 Date if applicable:

5/6/2005

Name: IDE ATA/ATAPI **IDE Drivers** Publisher Name: Microsoft

Controller Version: 5.1.2600.2180 Date if applicable:7/1/2001

Sound Card Publisher Name: Realtek Semiconductor Corp. Version:

5.100.5900 Date if applicable: 8/19/2005

Video Card Publisher Name: ATI Technologies Version: 8.241.0.0

Date if applicable: 3/21/2006 Graphics Resolution: 1024x768 Color Depth:32 bit Refresh Rate: 85Hz Texture Format: n/a

Socket AM2 Configuration

Operating System

Name: Microsoft Windows® XP Professional

Version: RTM, Service Pack 2 installed

Build #: 2600

DirectX Version: DirectX 9.0C

Hardware

Motherboard: Asus M2N32SLID

BIOS Info: 3092

Is BIOS publicly available? No X

C51-MCP55 (Nvidia) Chipset:

Memory

Manufacturer & Type: Corsair CM2X512-800

Ouantity & Size: (each)/(MB) Otv (2) 512 MB DIMM Module

Total Memory Size: (MB) 1 GIG total

Hard Drive

Model Name: Western Digital Raptor

Model Number: WD1500ADFD Hard Drive Size: 150 GB

Transfer Mode: SATA 10K RPM

Other Info: NTFS was used to format the hard disk

Network Card Included with Operating System: Yes X No.

Name: Integrated on motherboard Model Number: Marvell (Nvidia)

Sound Card

Manufacturer's Name: Model Number: SoundMAX Integrated Digital HD Audio

Version Number: N/A

Video Card

Graphics Adapter: X1900XTX Memory Size (MB) and Type: 512DDR3

Drivers

Network Card Publisher Name: Nvidia Version: 55.2.1.0 Date if applicable:

3/22/2006

Publisher Name: Nvidia Name: Nvidia MCP55 Serial ATA IDE Drivers

Version: 5.10.2600.654 Date if applicable: 3/16/200

Sound Card Publisher Name: Analog Devices Version: 5.10.1.4490

Date if applicable: 3/21/2006

Publisher Name: ATI Technologies Inc. Version: 8.2141.0.0 Video Card

Date if applicable: 3/21/2006 Graphics Resolution: 1024x768 Color Depth:32 bit Refresh Rate: 85Hz Texture

Format: n/a



Intel Processor-based System Configurations

Operating System

Name: Microsoft Windows® XP Profession

Version: RTM, Service Pack 2 installed

Build #: 2600 DirectX Version:

DirectX 9.0C

Hardware

Motherboard: Intel 975 XBX

BIOS Info: BX97510J.86A.0442.2006.0120.13 Is BIOS publicly available? Х

Chipset: Intel 955 Chipset

Memory

Manufacturer & Type: Corsiar: CM2X512-5400C4PRO Ouantity & Size: (each)/(MB) Otv (2) 512 MB DIMM Module

Total Memory Size: (MB) 1 GIG total

Hard Drive x 2

Model Name: Western Digital Raptor

Model Number: WD360GD Hard Drive Size: 36.0 GB

Transfer Mode: SATA Raid 0 10K RPM

Other Info: NTFS was used to format the hard disk: 2 Diskdrives setup into

a Raid0 configuration

Network Card Name: Intel® PRO/1000 PL Network Connection

Model Number: Onboard

Sound Card

Manufacturer's Name: Sigmatel Model Number: Onboard

Graphics Adapter: 7800 GTX 512 Memory Size (MB) and Type: 512 DDR3

Drivers

EIDE Publisher Name: Intel ® 82801G (ICH7 Family) Ultra SATA Storage

Controller - 27DF Versiòn: 7.0.0.1020 Date if applicable: 5/23/2005 DMA Enabled: Yes X

Network Card Publisher Name: Intel Version: 9.2.24.0

Date if applicable: 9/14/2005

Drivers Publisher Name: Intel (Intel® 82801G (ICH7 Family) Ultra ATA Storage Controllers - 27DF Version: 7.0.0.1020 Date if applicable: 5/23/2005 SATA Drivers

Sound Card Publisher Name: Sigmatel Version: 5.10.4866.0 Date if applicable: 12/12/2005

Video Card Publisher Name: Nvidia Version: 8.1.9.5

Date if applicable: 11/4/2005 Graphics Resolution: 1024x768 Refresh Rate: 85Hz Texture Format: n/a Color Depth: 32 bit



Performance & Mainstream Processors

Benchmark Suite

OFFICE PRODUCTIVITY

- •BAPCo® SYSmark® 2004 Office Productivity, Version 1.0 (w/ patch 2)
- •VeriTest Business Winstone™ 2004, Version 1.0.1 (w/SP2 reg fix)
- •VeriTest Business Winstone Multitasking Test Scores, Version 1.0.1
- RARLAB WinRAR 3.42, by Eugene Roshal
- •PC World WorldBench 5.0 Overall, 5/10/04 (w/SP2 Reg Edit)
- •Remote Collaboration Scenario:
 - Windows® NetMeeting 3.01; and
 - Windows® Media Encoder Series 9 (9.00.00.3250)
- •Travel Ready Scenario
 - Microsoft® Office Publisher 2003 (11.5525.5606); and
 - Nero Vision Express (3.1.0.0))

DIGITAL MEDIA

- BAPCo SYSmark 2004 Internet Content Creation
- •VeriTest Multimedia Content Creation Winstone 2004, Version 1.0.1
- •DivXNetworks, Inc., DrDivX, Version 1.0.6
- •RazorLame© by Holger Dors, Version 1.1.5 1342
- •Smokey City Design, LLC, The Panorama Factory, Version 3.3
- Persistence of Vision Raytracer Pty Ltd. POV-Ray© for Windows, Version 3.7.4 beta3
- •Sony Vegas Studio (4.0)
- •Microsoft® Moviemaker (5.1)

GAMING (all at 1024x768x32)

- •Futuremark Corp. 3DMark03™ Patch 360 (Hardware Vertex Shaders)
- •Futuremark Corp. 3DMark03 Patch 360 (Software Vertex Shaders)
- •Half-Life 2 at_coast_05_rev7.dem (1.0.1.0 Protocol Version 7)
- •Half-Life 2 at_prison_05_rev7.dem (1.0.1.0 Protocol Version 7)
- •Lucas Arts Star Wars Jedi Knight II Demo, Version 1.04
- •Id Software, Inc. Quake III Arena Demo2
- •Id Software, Inc. Return to Castle Wolfenstein: Enemy Territory, Version 2.60
- •Epic Games Unreal Tournament 2004 Flyby (3355)
- •Epic Games Unreal Tournament 2004 Botmatch (3355)
- Ubisoft Entertainment Splinter Cell (1.1.1)
- •Ubisoft Entertainment Splinter Cell (1.1.2)
- •Ubisoft Entertainment Far Cry Version 1.3.1 Pier
- •Dreamcatcher Interactive Painkiller Version 1.64
- •ld Software, Inc. Doom3™ Version 1.1
- Crafty 32bit Version 19.19 by Bob Hyatt



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