

Better by Design Demo Comparisons System Configurations

Desktop – Graphics Comparisons

1. AMD Athlon X2 4600+ w/ ATI RS485 (aka, Radeon Xpress 1150)

Proc: Athlon X2 4600+

chipSet vendor: ATI

chipSet mdl#: RS485

mem: Corsair - 1 GB (x2)

HDD: WesternDigital Raptor 150 GB (WD1500ADFD)

BIOS: Phoenix Technologies, LTD 6.00 PG, 9/22/2006

OS: Vista-32 Ultimate 6.0.6000 Build 6000

disp-driver: atikmdag.sys (7.1.1.537, 1.99 MB (2,085,888 bytes), 11/24/2006 8:46 PM)

2. AMD Athlon X2 4600+ w/ nVIDIA GeForce-6150

Proc: Athlon X2 4600+

chipSet vendor: nVIDIA

chipSet mdl#: GeForce-6150 <http://www.nvidia.com/page/gpumobo_6150-430_features.html>

mem: Corsair - 1 GB (x2)

HDD: WesternDigital Raptor 150 GB (WD1500ADFD)

BIOS: Phoenix Technologies, LTD ASUS M2NPV-VM ACPI BIOS Revision 0504, 10/17/2006

OS: Vista-32 Ultimate 6.0.6000 Build 6000

disp-driver: nvlddmkm.sys (7.15.10.9685, 4.22 MB (4,428,160 bytes), 10/10/2006 12:55 AM)

3. Intel C2D E6400 w/ 946GZ

Proc: C2D E6400

chipSet vendor: Intel

chipSet mdl#: 946GZ

<http://www.intel.com/products/chipsets/946PL_946GZ/index.htm>

mem: Corsair - 1 GB (x2)

HDD: WesternDigital Raptor 150 GB (WD1500ADFD)

BIOS: Intel Corp. TS94610J.86A.0048.2006.1019.1452, 10/19/2006

OS: Vista-32 Ultimate 6.0.6000 Build 6000

disp-driver: igdkmd32.sys (7.14.10.1111, 1.34 MB (1,406,976 bytes), 11/1/2006 12:17 AM)

4. Intel C2D E6400 w/ G965

Proc: C2D E6400

chipSet vendor: Intel

chipSet mdl#: G965 <<http://www.intel.com/products/chipsets/G965/index.htm>>

mem: Corsair - 1 GB (x2)

HDD: WesternDigital Raptor 150 GB (WD1500ADFD)

BIOS: Intel Corp. MQ96510J.86A.1577.2006.1115.2351, 11/15/2006

OS: Vista-32 Ultimate 6.0.6000 Build 6000

disp-driver: igdkmd32.sys (7.14.10.1111, 1.34 MB (1,406,976 bytes), 11/1/2006 12:17 AM)

Notebooks – Graphics Comparisons

- Gateway Mx6453
 - AMD Turion TL-60
 - Bios: Phoenix Technologies ver. 84.02
 - Chipset: ATI RS480 driver Ver. 8.29.2.0
 - Southbridge: SB400
 - Memory: Micron DDR-2 667 2x1024mb
 - HDD: Seagate SATA-1 5400rpm 100GB
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- Gateway mx6931
 - Intel Core2 Duo TS5600
 - Bios: Phoenix Technologies ver. 77.06
 - Chipset: Intel i945 GM driver Ver.6.14.10.4543
 - Southbridge: 8201GHM (ICH7-M DH)
 - Memory: Micron DDR-2 667 2x1024mb
 - HDD: Seagate SATA-1 5400rpm 100GB

Notebooks – Wireless Comparison (file download & HD content streaming)

Router = Draft 802.11n Router

- Linksys Wireless-N Broadband Router WRT350N
- Firmware Version: 1.03.2, 10/30/2006
- Mode = Mixed
- Security = WPA-PSK/AES
- Channel Select = Auto
- SSID Broadcast = Off
- CTS mode = Auto
- All other modes set to default

AMD Platform - Acer Ferrari 1000 Notebook

- AMD Turion64 X2 TL-56, 1.80GHz, 768MB RAM
- Windows XP Professional, Service Pack 2
- Hard Drive: Hitachi HTS541616J9SA00 SATA150, 5400RPM, 160GB
- Graphics: ATI Radeon Xpress 1150
- Wireless: Broadcom BCM94321 (Internal), Driver Version: 4.100.15.5, 10/12/2006
- Afterburner= Disabled, AP Compatibility Mode= Higher Performance
- Power Output= 100%, Power Save Mode= Disabled, WMM= Enabled,
- XPress Technology= Disabled
- All other modes set to default

Intel Platform - Sony VAIO VGN-SZ140P Notebook

- Intel Centrino Duo, 1.67 GHz, 1GB RAM
- Windows XP Professional, Service Pack 2
- Hard Drive: HTS541080G9SA00, SATA, 5400RPM, 80GB
- Graphics: nVidia GeForce Go 7400 (enabled via SPEED mode selection)
- Performance Mode: Speed
- Wireless: Intel WM3945ABG, Driver Version: 10.5.1.59, Hardware Version: 5.0.30
- PowerSave = OFF, Power Output= 100%, WMM = Enabled
- All other modes set to default