

# BENCHMARKING "WINDOWS" COMPUTERS FOR FREE

## HIGH-LEVEL EXECUTIVE SUMMARY:

To keep your "Windows.." computer running as fast as possible, you should run one or more benchmark tests and store the information for future reference. Here are some ways for you to do basic benchmarking.

## WAYS TO DO BENCHMARKING

### **Windows Boot Time:**

Number of seconds from pressing the "Power" button of the computer to the completion of loading of the Windows "Desktop".

Use a real stopwatch or the second hand of a real clock.

# "Windows Experience Index" ("WEI")

After making hardware and/or changes, click on "Re-run assessment" to get an updated "WEI".

**Performance Information and Tools**

Control Panel Home

- Adjust visual effects
- Adjust indexing options
- Adjust power settings
- Open disk cleanup
- Advanced tools

### Rate and improve your computer's performance

The Windows Experience Index assesses key system components on a scale of 1.0 to 7.9.

Component	What is rated	Subscore	Base score
<b>Processor:</b>	Calculation per second	7.4	5.5 Determined by lowest subscore
<b>Memory (RAM):</b>	Memory operation per second	7.5	
<b>Graphics:</b>	Desktop performance for Windows Aero	5.5	
<b>Gaming graphics:</b>	3D business and gaming graphics performance	6.5	
<b>Primary hard disk:</b>	Disk data transfer rate	5.9	

What do these numbers mean?

Tips for improving your computer's performance.

View and print detailed performance and system information

Learn more about scores and software online

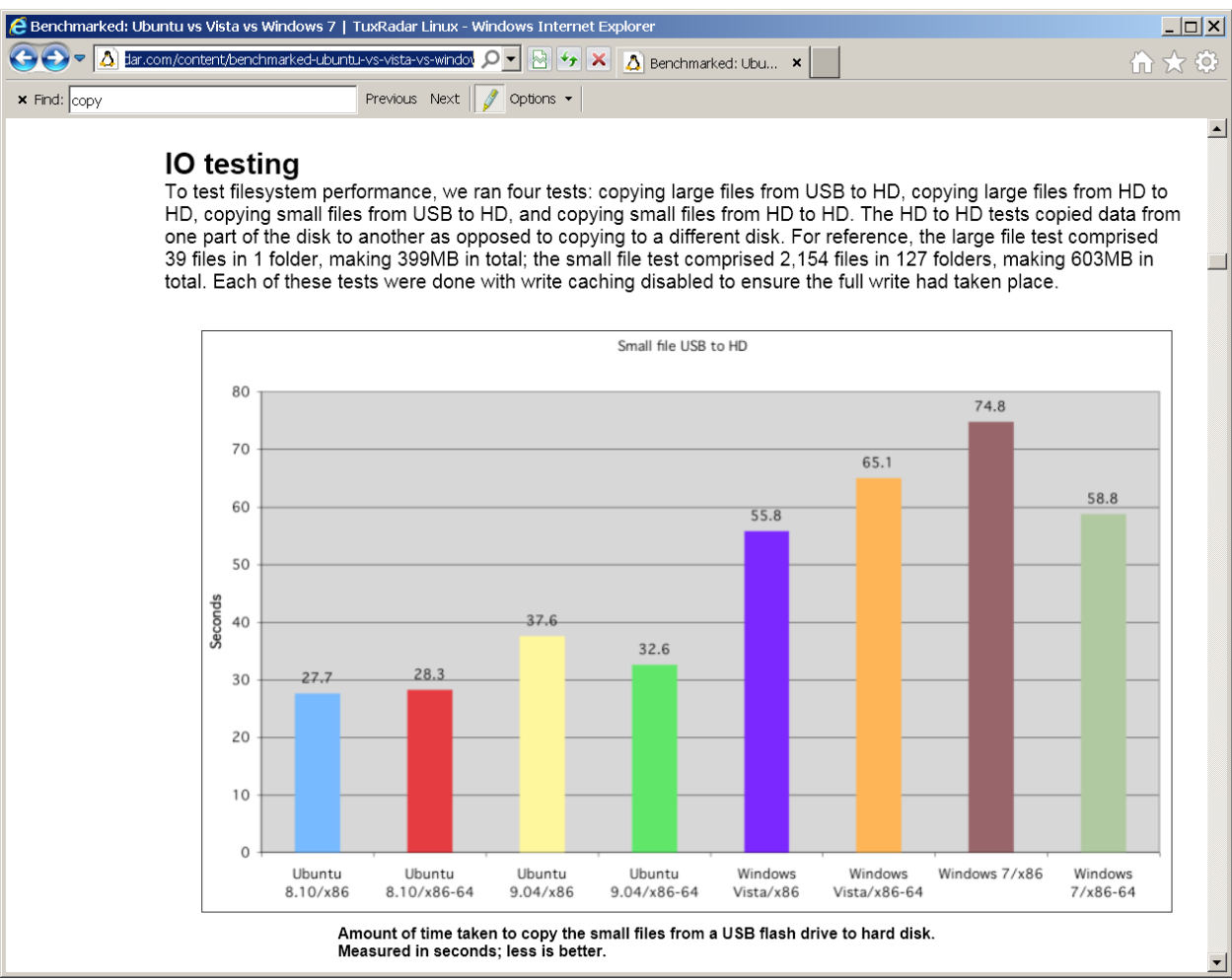
Your scores are current  
Last update: 8/12/2011 8:10:56 PM Re-run the assessment

**See also**  
Action Center

# FILE COPY TEST

Number of seconds to copy a large file from external hard drive 1 to external hard drive 2

See the "IO Testing" section at <http://tuxradar.com/content/benchmarked-ubuntu-vs-vista-vs-windows-7>



# Novabench

See <http://novabench.com/>

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the leading *free* all-in-one benchmark

- Test**  
Test your system; benchmark CPU, RAM, hard disks and 3D graphics
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Compare your computer's score and system component results to others
- Share**  
Share and submit your verified scores on your profile and social networks

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NovaBench is our popular component benchmark application for Windows, and Mac OS X.  
It's the most convenient way to test and compare your system's hardware and graphics capabilities!

**Latest Scores**

<b>1059</b>	AMD Phenom II X4 965 running at 3400MHz ATI Radeon HD 5800 Series By Anonymous just a moment ago
<b>570</b>	Intel Core2 Duo E8200 2.66GHz running at 2666MHz ATI Radeon HD 5700 Series By Anonymous just a moment ago
<b>350</b>	AMD E350 running at 1600MHz

**7-ZIP 4.2**  
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# PCMARK05 BASIC EDITION

The screenshot shows a web browser window with the URL <http://www.futuremark.com/download>. The page is titled "PCMark05 Basic Edition (Build 1.2.0) Full Install Download".

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**PCMark05 Basic Edition (Build 1.2.0)**  
**Full Install Download**

**NEW: Hotfix Available!**  
There is a new patch available for PCMark05 Build 1.2.0 which improves GPU core/memory clock detection for enhanced compatibility and adds support for new hardware. This hotfix does not change the benchmark build/version number or affect the scores. [Click here for more info and download.](#)

**Get all the goodies - go Advanced!**  
When you have downloaded your free Basic version of PCMark05 (with limited functionality), we highly recommend that you [purchase the PCMark05 Advanced license](#) (\$19.95) in order to get all those amazing Advanced features and tests enabled! Read more about the additional features [here](#).

**Minimum System Requirements**

- Intel or AMD compatible processor 1.4GHz or higher, SSE support
- 128MB of RAM (256MB recommended)
- DirectX 7 compliant graphics adapter (3D tests require a fully DirectX 9 compatible hardware)
- 110MB of Hard Disk space \*
- Windows XP 32bit (Service Pack 2) or Windows Vista 32bit operating system with latest updates installed
- DirectX 9.0c
- Visual C++ 2005 Redist
- DirectX 9.0c
- Microsoft Internet Explorer 6 or later installed
- Microsoft Media Player 10 or later installed
- Microsoft Media Encoder 9 installed

\* HDD tests require additional 130MB of Hard Disk space.

Version: **Build 1.2.0**  
MD5 checksum: **88c7f23216cb11ec9156f39cd79a8c96**

**Note:** Please note that Build 1.2.0 is currently the only supported version of PCMark05. Make sure that the file you are downloading is Build 1.2.0.

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Reference:

<http://www.makeuseof.com/tag/5-free-benchmark-programs/>