

Top 10 reasons to move up to SYSmark 2004 SE

1. New! Compare platforms based on Windows® XP Professional x64 Edition to those based on Windows® XP Professional and Home.

SYSmark® 2004 SE extends the SYSmark 2004 productivity benchmark, which has been widely accepted by IT Managers, PC OEMs, press and analysts worldwide to support Windows® XP Professional x64 Edition. SYSmark 2004 SE allows users to directly compare platforms based on Windows® XP Professional x64 Edition to those based on Windows® XP Professional and Home.

2. New! Unified installation for both Windows® XP Professional x64 Edition and Windows® XP Professional and Home.

SYSmark 2004 SE also incorporates all other previously released updates and patches released for SYSmark 2004, allowing users a unified installation process for both Windows® XP Professional x64 Edition and Windows® XP Professional and Home.

3. Broad Industry Representation

BAPCo's SYSmark 2004 SE builds upon its predecessors utilizing the strongest and broadest development team in PC benchmark history. BAPCo's depth of membership represents the breadth of the computing industry and harnesses a consortium of experts.

BAPCo's current membership includes: AMD, Atheros Communications, ATi Technologies, ARCintuition, CNET, Computer Shopper, Dell, Hewlett-Packard, Intel, Microsoft, NVIDIA, Seagate, Toshiba, Transmeta, VNU Business Publications Limited (UK), ZDNet, and Ziff Davis Media.

4. Extensive Research

Like SYSmark 2004, SYSmark 2004 SE's development process is an output-driven methodology as it works backward from a representative output to determine a representative workload. In selecting the applications that would create the output in the benchmark, BAPCo uses a variety of different sources to obtain market segment share data for applications used by business users in creating their output.

5. Concurrent methodology

BAPCo uses its state-of-the-art benchmarking technologies by devising methods (first introduced with WebMark 2001 and SYSmark 2001) for accurate and realistic measurement of concurrent tasks. SYSmark 2004 SE works like you do and features three enhancements to emulate real life as closely as possible.

Switching between applications: Business computer users frequently have a number of applications open on their desktop. The workloads defined by BAPCo include opening and leaving applications open while work is being done in another application.

Concurrent Execution: In addition to switching between applications, often users will actively work with one application while another application is performing work in the background. SYSmark 2004 SE's workloads reflect this through extensive concurrency in each application group.

User Think Times: SYSmark 2004 SE is designed to emulate human interaction with the computer by sending keystrokes at a rate that approximates how fast a human will type. Users work at a finite rate with pauses between operations so that they can review their work. The time where the user is assessing what to do next is called “think time”. To reflect this real world occurrence, BAPCo’s workloads include think times between user interactions.

6. Extensive application scope

SYSmark 2004 SE includes a robust and updated set of 17 current applications covering a wide range of Internet Content Creation and Office Productivity application categories. Results are now broken down by groups of applications within the Internet Content Creation and Office productivity scenarios. SYSmark supports Windows® XP (Professional and Home with Service Pack 2) and XP Professional x64 Edition and can be run under a number of non-English languages.

7. Real world application behaviors

Operating system and application behaviors are more realistic in SYSmark 2004 SE because Think Time enables the operating system and applications to perform normal housekeeping activities.

8. Response time methodology

Response time, in the context of SYSmark 2004 SE, is defined as the time it takes the computer to complete a task that has been initiated by the automated script. In SYSmark 2004 SE, only the response time of individual operations is included in the performance metric. SYSmark 2004 SE does not measure the time to send keystrokes and mouse clicks to the application. In the real world, these tasks are initiated and controlled by a human and therefore do not measure computer performance. Since these tasks don’t measure computer performance they are not timed. This allows think time to be included in the workloads to more accurately reflect how humans interact with the PC.

9. Portfolio of Results

SYSmark 2004 SE provides results and score breakdowns by groups of applications to empower your analysis needs. Detailed results are available by category which allows insight into system behavior.

SYSmark 2004 SE provides three layers of results to enhance result analysis, group ratings, scenario ratings and an overall rating.

10. Multi-lingual

SYSmark 2004 SE supports the following languages: Dutch, English, French, German, Italian, Portuguese and Spanish. SYSmark 2004 SE may also run under other languages.

For additional details about SYSmark2004 SE features and functionality please refer to the SYSmark 2004 SE white paper.