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>> WINDOWS 32-BIT VS. 64-BIT

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A CLOSER LOOK AT 32-BIT VS. 64-BIT WINDOWS

The release of Windows 7, the latest Microsoft operating system, is an opportunity for engineers and scientists to harness new technologies to solve technical problems. Like the predecessor, Windows Vista, users can select between a version for 32-bit processors and a version for 64-bit processors. Whether porting a system to a new version of Windows, or starting new development on the OS, it is important to understand which version best suits your needs.

WHAT ARE THE DIFFERENCES BETWEEN 64-BIT AND 32-BIT PROCESSORS?

To understand why 64-bit operating systems are a logical step in the evolution of the PC, consider this background information.



More often than not, the maximum size of the physical memory on a computer is less than the amount needed for all running programs. This is especially true when multiple processes or applications execute simultaneously.



The solution for this is that programs store some of their data on the hard drive and copy it back and forth to physical memory as needed.

SUMMARY

Windows 7 x64 Edition represents the first mainstream 64-bit operating system from Microsoft in terms of general availability and support from third-party add-on vendors. Because of this, moving from a 32-bit operating system such as Windows XP to a 64-bit operating system such as Windows 7 x64 Edition merits serious consideration in many cases.

However, the feasibility of successfully making the jump to Windows 7 x64 Edition depends largely on your application and its requirements. For some, Windows 7 x64 Edition offers much needed performance improvement, while for others, it could needlessly complicate applications designed to operate on x86 platforms or even have a negative effect on performance.



Windows 7 is a feature locked operating system with better and faster performance. One of the latest Windows release, it works great on systems with limited memory. It is quick to work on and opens applications in a snap. It performs spotlessly on netbooks and is featured with special aero look that offers buyers a smooth and visually delighting user interface.

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