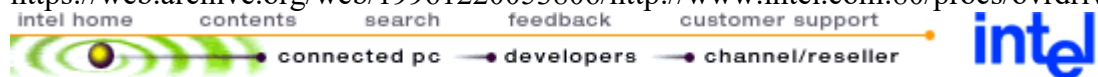


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<https://web.archive.org/web/19961220053806/http://www.intel.com:80/procs/ovrdrive/press.htm>



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## INTEL ANNOUNCES FIRST IN A FAMILY OF PENTIUM® OVERDRIVE® PROCESSORS FOR UPGRADABLE PENTIUM PROCESSOR-BASED SYSTEMS

### Speeds up 60- through 100-MHz Pentium Processor-Based Systems with Advanced Pentium Processor Technology

FOLSOM, Calif., March 4, 1996--Intel Corporation today announced the availability of Pentium® OverDrive® processors for upgradable Pentium processor-based systems. Based on the same advanced .35 micron silicon technology used for Intel's fastest Pentium processors, the design of the new Pentium OverDrive processors includes enhancements beyond the original core microprocessor to ensure worry-free, end-user installation.

The products being introduced with immediate availability include: the 120/133-MHz Pentium OverDrive processor, designed to upgrade 60-MHz Pentium processors to 120-MHz and 66-MHz Pentium processors to 133-MHz; and the 125-MHz Pentium OverDrive processor designed to upgrade 75-MHz Pentium processors. Intel is also announcing the 150-MHz Pentium OverDrive processor, designed to upgrade 90-MHz Pentium processors, and the 166-MHz Pentium OverDrive processor, designed to upgrade 100-MHz Pentium processors, both available in May.

For the first time, users of today's upgradable Pentium processor-based systems will be able to significantly accelerate the performance of all their software by upgrading their system with a Pentium OverDrive processor. In addition, Intel will continue to offer Pentium OverDrive processors for upgradable Intel486™ processor-based systems.

"More and more business and home users are looking at system upgrade options to accelerate the performance of their system," said Jim Yasso, general manager, End User Components Division. "The new Pentium OverDrive processors offer the best overall upgrade solution available today, not only accelerating the performance of all software but also increasing system capabilities to harness the resources of the Internet."

### Designed for Easy End-User Upgradability

Pentium OverDrive processors have been developed specifically to boost performance in upgradable Pentium processor-based systems. Intel added unique features to the Pentium processor technology core to support the wide range of system configurations present in the installed base of systems. These enhancements include:

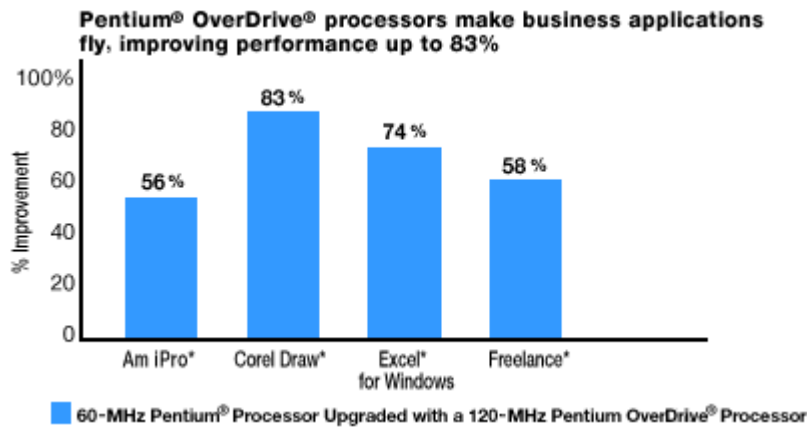
- ◆ Added capacitors to provide the required voltage filtering needed when putting a faster Pentium processor in a system originally designed for a slower processor.
- ◆ A fully integrated on-package fan heatsink that ensures effective processor cooling.
- ◆ Preconfigured core-to-bus speed ratios, so end-users do not have to worry about locating and setting jumpers.
- ◆ The 120/133-MHz Pentium OverDrive processor also includes an on-package voltage regulator and compatible pin-out for upgrading the 5 volt 60- and 66-MHz Pentium processors to a 3.3 volt Pentium OverDrive processor.
- ◆ The Pentium OverDrive processor is supported by an easy-to-use [installation](#) manual, diagnostics disk and toll-free technical support. By offering this simple single-chip approach to processor upgrades, the Pentium OverDrive processor ensures quick and easy end-user installation for a worry-free upgrade to higher levels of system performance.

### Boosts System and Software Performance

The new Pentium OverDrive processors significantly accelerate [performance](#) across all PC operating systems and software applications. In today's multi-tasking business environment, these performance gains will result

in greater overall productivity and cost savings. For example, upgrading a 60-MHz Pentium processor-based system with a 120-MHz Pentium OverDrive processor will provide a performance increase of over 50 percent for most of today's widely-installed 16-bit productivity applications.

### Organization Performance Benefits



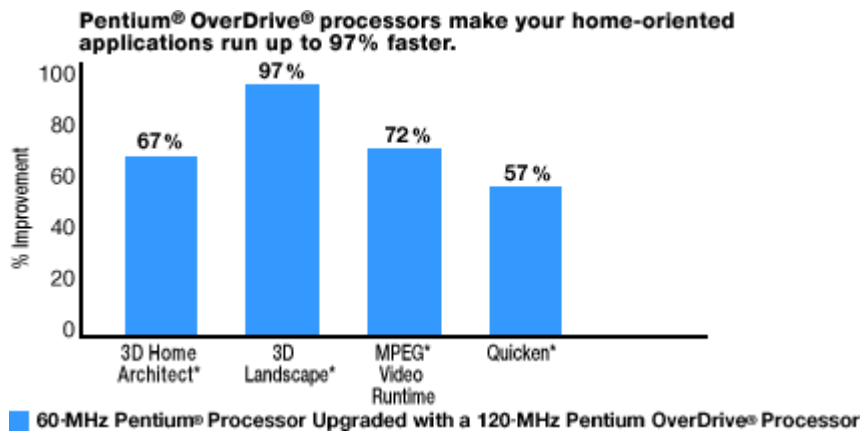
**System Configuration:**

Intel chipset SB2433LX, 16MB DRAM, 256K cache, 1.6GB IDE hard drive (controller integrated on motherboard), 64-bit PCI video accelerator with 4MB VRAM, Windows\* 95.

Internet users will find that upgrading their existing system with a Pentium OverDrive processor will allow them to more fully explore the wide array of multimedia resources, like games, videos and interactive educational products, available for downloading from the Internet. Additionally, corporate Webmasters will have the processing power required to develop feature-rich Web sites utilizing the most advanced Internet development technologies such as Java\*, VRML\*, and Shockwave\*.

Home-users will be able to accelerate virtually all of today's software with a Pentium OverDrive processor upgrade. For example, upgrading a 60-MHz Pentium processor-based system with a 120-MHz Pentium OverDrive processor will provide a performance increase of up to 97 percent using popular home applications.

### Home Performance Benefits



**System Configuration:**

Intel chipset SB2433LX, 16MB DRAM, 256K cache, 1.6GB IDE hard drive (controller integrated on motherboard), 64-bit PCI video accelerator with 4MB VRAM, Windows\* 95.

By improving keyboard and control responsiveness as well as significantly improving the realism and texture of graphics and video, Pentium OverDrive processors will make game-playing more enjoyable. In addition, new technologies like MPEG video will also benefit from increased processing power, eliminating choppy video delivery and unsynchronized audio and video.

### Product Pricing and Availability

The 120/133-MHz and 125-MHz Pentium OverDrive processors are available now. The 150-MHz and 160-MHz Pentium OverDrive processors will be available in May. Offering the highest Pentium processor

performance available, the products and pricing are as follows:

<b>Original Upgradable Pentium® Processor</b>	<b>Pentium OverDrive® Processor Upgrade</b>	<b>Availability</b>	<b>MSL (U.S.)</b>
60-or 66-MHz Pentium processor	<b>120/133-MHz Pentium OverDrive processor</b>	Now	\$399
75-MHz Pentium processor	<b>125-MHz Pentium OverDrive processor</b>	Now	\$399
90-MHz Pentium processor	<b>150-MHz Pentium OverDrive processor</b>	May, 1996	\$499
100-MHz Pentium processor	<b>166-MHz Pentium OverDrive processor</b>	May, 1996	\$679

In addition, Pentium OverDrive processors for upgradable Intel486™ processor-based systems are also available. The 83-MHz Pentium OverDrive processor, designed to upgrade 33-MHz Intel486 SX and DX processors or 66-MHz IntelDX2™ processors, is priced at \$299 (U.S. MSL). The 63-MHz Pentium OverDrive processor, designed to upgrade 25-MHz Intel486 SX and DX processors and 50-MHz IntelSX2™ or IntelDX2 processors is priced at \$219 (U.S. MSL). For up-to-date manufacturer suggested list prices (U.S. dollars) for members of the OverDrive processor family, refer to the [OverDrive Processor Price List](#).

### Compatibility and Support

For information on whether or not a specific system supports a Pentium OverDrive processor upgrade, users should contact their system manufacturer, local computer dealer/reseller or check the [Intel OverDrive Processor Upgrade Guide](#). This guide contains over 3,400 system model listings. For additional information about Intel OverDrive processors or other Intel products, contact the [Intel PC & LAN Products Customer Information and Support Phone Numbers](#).



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