Combine a PC and software both designed for MMX[tm] technology, and you're in for an amazing experience. Remember to check for the MMX technology sticker.

on your PC

on your software

How it Works
The Pentium® processor with MMX technology boasts three primary architectural design enhancements.

New Instructions
Intel engineers have added 57 powerful new instructions specifically designed to manipulate and process video, audio and graphical data efficiently. These instructions are oriented to the highly parallel, repetitive sequences often found in multimedia operations.

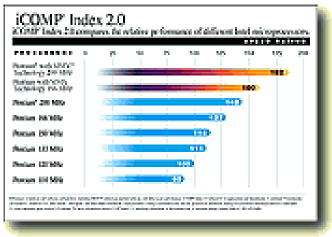
SIMD
Today's multimedia and communication applications often use repetitive loops that, while occupying 10 percent or less of the overall application code, can account for up to 90 percent of the execution time. A process called Single Instruction Multiple Data (SIMD) enables one instruction to perform the same function on multiple pieces of data. It allows the chip to reduce compute-intensive loops common with video, audio, graphics and animation. As an analogy, consider a drill sergeant telling an entire platoon, "About face," rather than commanding each individual soldier one at a time.

More Cache
Intel has doubled on-chip cache size to 32K on the Intel Pentium processor with MMX technology. Now, more instructions and data can be stored on the chip, reducing the number of times the processor has to access slower, off-chip memory areas for information.

The Bottom Line
The Pentium processor with MMX technology includes all of the features of a standard Pentium processor, plus more.

how fast is it?

Check out its impressive performance on the Intel iCOMP® Index 2.0 chart.



A PC with a Pentium® processor with MMX[tm] technology is 10-20% faster than a Pentium processor-based system at the same clock speed, as shown by industry standard benchmarks. It's over 60% faster on Intel Media Benchmark, which measures MMX technology multimedia performance.

Of course, the only way to really know how incredible a Pentium processor with MMX technology really is-check it out at your local retailer. Your world may never be the same.

Want to learn more? Get more technical information at our Developers site.

Because of its improvements, you'll get a better, smoother and more realistic media experience. MMX media enhancement technology also maintains complete compatibility with Intel processor-based PCs, existing operating systems and application software.

Back to the Pentium processor with MMX technology home page.