

Enhanced Intel Wireless MMX2 Technology Promises To Boost Video, Audio Applications For Mobile Handsets

March 14 2005

Intel Corporation today announced enhanced technology to provide mobile handset users with a better multimedia experience, including clearer graphics, faster video, and improved power efficiency.

Intel Wireless MMX2 technology offers advanced features to simplify the development of feature-rich audio, video, graphics and voice applications, providing users with innovative, reliable communications solutions that can run the latest multimedia content. Using Intel Wireless MMX2 technology, developers can more rapidly bring this advanced content and services to mobile users while delivering improved handset performance and battery life. Intel Wireless MMX2 technology also offers the flexibility to support multiple audio, video and graphics standards.

"We all want a high-quality audio and video experience on our mobile handsets, but it can be expensive and time-intensive to develop these services," said Mark Casey, general manager, Applications Processor Business Unit for Intel's Cellular Handheld Group. "Intel's Wireless MMX2 technology simplifies the design of complicated multimedia applications, enabling phone manufacturers and carriers to deliver innovative services and high-end content. Consumers can enjoy a better mobile experience and carriers can provide a broader range of handsets and tools."

Intel Wireless MMX2 technology will be available in future Intel XScale

technology-based platforms, giving developers the opportunity today to optimize applications for future platforms.

The Intel Wireless MMX2 technology's 64-bit architecture supports Single Instruction Multiple Data processing that is fully compatible with the previous generation Intel Wireless MMX technology. It features a familiar programming style that allows developers to leverage their existing code base through common tool support including assembler, debugger, intrinsics, and vectorizer tools.

Intel Wireless MMX2 instructions will be supported by the Intel® Integrated Performance Primitives (Intel® IPP) so that developers already utilizing Intel IPP within their applications will automatically take advantage of the latest enhancements enabled by Intel Wireless MMX2 technology.

Intel Wireless MMX2 technology supports multiple multimedia standards, combined with support for existing code bases through binary compatibility with Intel Wireless MMX technology, a complete set of common tools, and fully optimized Intel IPP support. This reduces the complexity of designing feature-rich mobile handsets, enabling developers to build advanced applications more cost-effectively while reducing the time-to-market for these new applications.

Citation: Enhanced Intel Wireless MMX2 Technology Promises To Boost Video, Audio Applications For Mobile Handsets (2005, March 14) retrieved 27 April 2024 from <https://phys.org/news/2005-03-intel-wireless-mmx2-technology-boost.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.