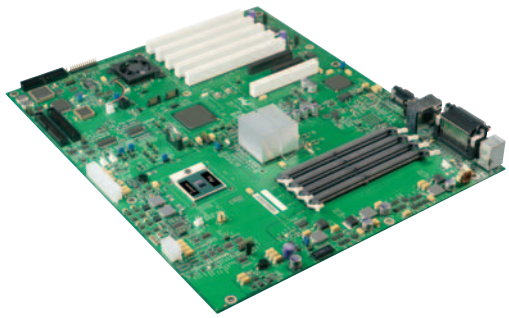
Intel® Pentium® M Processor (90nm) with Intel® E7520 Chipset Development Kit

Product Overview

The Intel® Pentium® M Processor (90nm) with Intel® E7520 Chipset Development Kit offers developers a low-power, high-performance platform for a variety of communications and embedded market segments such as wireless infrastructure, routing, security, and industrial control. It supports next-generation technologies such as dual-channel DDR2 memory performance and up to three x8 PCI Express* interfaces, providing support for a variety of high I/O bandwidth peripherals. This platform enables outstanding instruction execution/watt while providing scalability with Intel® Celeron® M and Intel® Pentium® M processors on 90nm process.



Product Highlights

- Intel® E7520 chipset-based board
  - Intel® E7520 Memory Controller Hub (MCH)
  - Intel® 6300ESB I/O Controller Hub (ICH)
- Scalability with Intel Pentium M and Intel Celeron M processors on 90nm process
- Support for dual-channel ECC DDR2 400 MHz
- Front-side bus frequency at 400 and 533 MHz

Connector Interface Summary

- One x4 and one x8 PCI Express 1.0a-compliant connector supported by the Intel E7520 chipset
- One PCI-X* 133 MHz and two PCI-X 100 MHz interface connectors supported by the Intel® 6700PXH 64-bit PCI Hub
- Two 150 MB SATA ports
- Two Ultra ATA (33/66/100) IDE connectors supporting up to four IDE devices
- Two USB 2.0 ports and two USB 2.0 connectors
- One 15-pin VGA video connector
- One PCI 2.3-compliant 33 MHz interface connector
- PS/2 keyboard and mouse connectors
- One floppy drive connector
- Two standard serial connectors and one parallel port connector

Included in Kit

- Intel E7520 chipset-based board
- Intel Pentium M processor 760[A] with thermal solution
- Two 512 MB 400 MHz DDR2 ECC DIMMs
- Cable kit
- Hard drive
- Drivers CD

intel.com/design/intarch

Product Benefits

The Intel Pentium M Processor (90nm) with Intel E7520 Chipset Development Kit is an evaluation kit with hardware and supporting software/documentation, designed for use in communications and embedded computing applications. This and other development kits from Intel provide fully working products with a range of performance options that can be modified or used immediately for product development. Intel development kit platforms support validated processor/chipset combinations, allowing software vendors to test BIOS and operating system software.

With this kit, developers can design on a single board to provide a range of performance options. This can reduce design and validation efforts, lower total cost-of-ownership by reducing inventory and manufacturing costs, and facilitate faster time-to-market.

Software Overview

In order to provide customers with a complete development environment in the development kit, Intel works to enable the platform to integrate with customer applications and operating systems. Any software/firmware provided in the kit is subject to change without notice. For the most recent updates, please refer to the Intel Pentium M Processor (90nm) with Intel E7520 Chipset Development Kit Web site at http://developer.intel.com/design/intarch/devkits/index.htm.

Development Kit Ordering Information

IPDPME7520BD

Intel Access

Embedded Intel® Architecture Home Page:	intel.com/design/intarch
Developer's Site:	developer.intel.com
Intel in Communications:	intel.com/communications
General Information Hotline:	(800) 628-8686 or (916) 356-3104 5 a.m. to 5 p.m. PST
Intel® Literature Center:	(800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada)
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[Δ]Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See http://www.intel.com/products/processor_number for details.

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