

Product Brief

Development Kit

Embedded Computing



Mobile Intel® 915GME Express Chipset Development Kit for Embedded Computing

Product Overview

The Mobile Intel® 915GME Express chipset development kit offers an excellent platform for a variety of embedded and communications infrastructure applications. It supports a DDR2 memory interface, PCI Express* and integrated graphics via the Intel® Graphics Media Accelerator 900 (Intel® GMA 900) in a low-power solution.

This platform enables outstanding instruction execution/watt while providing scalability with Intel® Celeron® M and Intel® Pentium® M processors on 90nm process. This development kit features the Intel® Pentium® M processor 760^A with Mobile Intel 915GME Express chipset, providing a high-performance, low-power solution for communications, industrial automation, point-of-service, and kiosk applications.

Product Highlights

- Support for the following Intel® processors:
 - Intel Pentium M processor 760
 - Intel® Pentium® M processor Low Voltage 738^A
 - Intel® Celeron® M processor 370^A
 - Intel® Celeron® M processor Ultra Low Voltage 373^A
- Intel® 915GME Graphics Memory Controller Hub (GMCH) with support up to 2 GB DDR2 at 400/533 MHz
- Dual-channel memory configuration
- Intel GMA 900 with support for PCI Express graphics, VGA out, SDVO, and LVDS
- Direct Media Interface to the I/O controller hub
- Front-side bus (FSB) frequency support for 400 and 533 MHz



Connector Interface Summary

- One x16 PCI Express video interface doubling as ADD2 connector to provide access to dual SDVO ports
- Two SATA ports
- One Ultra ATA (33/66/100/133) IDE connector supporting up to two IDE devices
- Eight USB 2.0 ports
- Two PCI 2.3-compliant 33 MHz interface connectors
- PS/2-style keyboard and PS/2 mouse
- LVDS connector
- One VGA connector providing access to integrated graphics
- One LAN connector providing 10/100 connectivity from Intel® 82562EZ 10/100 Mb PLC
- One 9-pin serial port connector
- One IrDA port
- Two PCI Express slots (x1)
- Two SODIMM connectors

Product Highlights (continued)

Included in the kit

- Mobile Intel 915GME Express chipset-based board
- Intel Pentium M processor 760 with thermal solution
- DDR2 SODIMM (200-pin)
- Cable kit
- Hard drive
- Drivers CD

Product Benefits

The Mobile Intel 915GME Express chipset development kit is an evaluation kit with hardware and supporting software/documentation designed for use in 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. These 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 Mobile Intel 915GME Express chipset development kit Web site at <http://developer.intel.com/design/intarch/devkits/index.htm>

Development Kit Ordering Information

IPDPM915GMEDVKT

Intel Access

- Embedded Intel® Architecture Home Page: intel.com/design/intarch
Developer's Site: intel.com/design
Intel in Embedded and Communications: intel.com/go/embedded
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)
International locations please contact your local sales office.

⁴Intel 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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