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**Intel(R) 440MX Development Kit**

Intel(R) 440MX Scalable Low Power Board Development Kit

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**Description**

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The Intel® 440MX Scalable Low Power Board Development Kit consists of an evaluation board, technical documentation and demonstration software for embedded computing applications. The kit supports Pentium® III processors (0.18µ) and Intel® Celeron® processors (0.18µ) in a 495-pin µPGA package. The board includes a processor side bus that automatically scales from 66 MHz to 100 MHz based on the processor used.

Intel 440MX Low Power

This kit enables developers to design a single board that can be populated at build time with any of the Pentium III processors - Low Power or Celeron processors - Low Power, or Celeron processors - Ultra Low Power in a µPGA package, providing developers with a wide range of price and performance options, reducing the design and validation effort for multiple designs, lowering the total cost of ownership by reducing warehouse inventory and manufacturing costs, and providing faster time to market.

**Product Order Code**

**EIDPLPMXDEVKIT** - Intel 440MX Scalable Low Power Board Development Kit

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**Product Highlights**
**Evaluation Board**

- ⌵ Scalable performance supporting processors in a µPGA package from the Intel Celeron processor - Ultra Low Power at 300 MHz to the Pentium III processor - Low Power at 500 and 700 MHz and beyond with processor side bus (PSB) speeds of 66 and 100 MHz
- ⌵ Populated with a Pentium III processor - Low Power at 700 Mhz in a µ PGA package
- ⌵ Includes an Intel Celeron processor - Ultra Low Power at 300 Mhz and a Pentium III processor- Low Power at 500 Mhz, both in a µ PGA package
- ⌵ Populated with 128 MB SDRAM, expandable to 256 MB SDRAM
- ⌵ Support for ATA33
- ⌵ Schematics, technical documentation and bill of materials provided in User's Manual

**Included Hardware**

- ⌵ 10 GB ATA33 hard disk drive pre-loaded with an image of MontaVista® Hard Hat Linux
- ⌵ Processor thermal solution attached

**Board Peripheral Features**

- ⌵ Super I/O for legacy peripheral support
- ⌵ Support for 1 IDE ATA33 drive. Backward compatible with legacy drives
- ⌵ 2 USB 1.0 ports
- ⌵ AC'97 for audio and modem support

**User Accessible On-Board Connectors**

- ⌵ Two serial RS-232 ports; COM1, COM2
- ⌵ PS/2 keyboard and PS/2 mouse (6-pin mini-DIN)
- ⌵ ATX power supply connector
- ⌵ 3 standard PCI expansion slots
- ⌵ 2 USB connectors
- ⌵ 2 SDRAM DIMM connectors

**Software Overview**

To provide a complete development environment, Intel works with Independent Software Vendors (ISV) to provide supporting evaluation software for the development kits. The software applications in the kit are demonstration copies provided free of charge by the vendors. The software is licensed for evaluation purposes only. Software in the kit is subject to change without notice. Please contact the vendors directly for specific details pertaining to revision changes.

**BIOS**

General Software's Embedded BIOS

[Intel® Embedded Computing Firmware Library](#)

**EVALUATION SOFTWARE**

Hard Hat* Linux*	MontaVista*
Tornado* 2.0 VxWorks*	<a href="#">Wind River Systems*</a>