

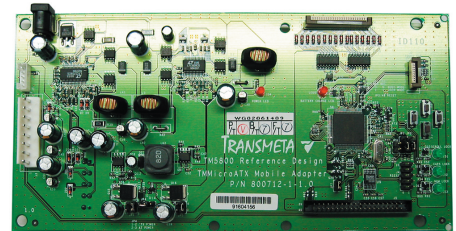
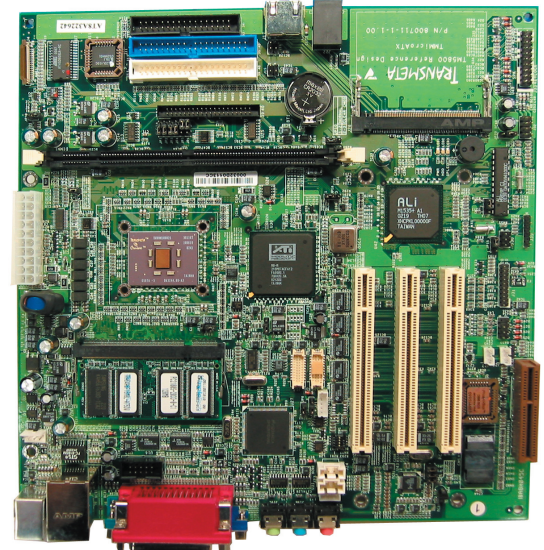
Transmeta™ Crusoe™ System Development Kit

Product Overview

Transmeta, the leader in efficient computing, provides a total system solution for developing very fast and highly integrated x86 devices. The Transmeta Crusoe System Development Kit is a cost-effective platform that enables developers to easily design many different products including PCs, mobile PCs, POS devices, smart displays, thin clients, industrial automation, and full-featured embedded devices.

The System Development Kit features the Transmeta Crusoe TM5800 1GHz or Crusoe SE TM5800 800MHz processor with Code Morphing™ software providing high-performance for demanding applications, high energy efficiency for long battery life, low power dissipation and heat generation, and LongRun® power and thermal management.

The kit also includes Hitachi's H8 Mobile Daughterboard that provides the included TM5800 MicroATX motherboard with the capability to run in a battery-powered mobile configuration with a matrix keyboard and touch-pad.



Development Kit Specifications

- Transmeta Crusoe TM5800 1GHz or Crusoe SE TM5800 800MHz processor
- Integrated Northbridge
- Hitachi H8 controller and microcode
- ALI® M1535+ Southbridge
- Phoenix Technologies™ BIOS
- 1 x DDR socket with 256MB DDR-266
- 1 x DIMM socket for SDRAM modules
- FDD, Parallel port, Two Serial ports
- Two IDE interfaces for up to 4 devices
- VGA Controller, Audio, Ethernet
- Three PCI slots, MiniPCI slot, CNR slot
- Thermal Sensor for USB 1.1, IrDA
- PS/2 mouse/keyboard connector
- Standard MicroATX form factor

Development Kit Contents

- MicroATX motherboard and Hitachi H8 controller board
- Video connector bracket adapters
- LCD panel power/control cables
- CD-ROM drive inverter & power cable
- IDE and floppy drive cables
- USB 1.1 connector and COM cables
- Matrix keyboard with integrated flex cable
- Touchpad and flex cable
- Lithium Ion battery
- AC power adapter and power cord
- Complete documentation on CD-ROM
- Board schematics in OrCAD and PDF formats
- 6 month warranty

BIOS Support

Transmeta Crusoe and Crusoe SE processors are compatible with the major BIOS manufacturers including Phoenix Technologies™, American Megatrends Inc., Insyde Software, Inc.™, and General Software™.

Evaluation Software

The Crusoe System Development Kit has board support packages for the following operating systems: Microsoft Windows XP®, Microsoft CE.NET®, LynuxWorks™ BlueCat Linux® and LynxOS®, MontaVista™ Linux Professional Edition, QNX® Neutrino®, and Wind River® VxWorks®.

Transmeta Software Tools

LongRun® Monitor is a graphical tool displaying the LongRun power management performance (MHz and voltage) of the Transmeta Crusoe and Crusoe SE processor over time. This utility provides flexible management of system performance and battery life. An additional suite of Transmeta software tools are also available.

Crusoe SE



For ordering information, visit www.transmeta.com/developers/devkit.html

Embedded Kit Part numbers
5800-800-800810 for 800 MHz

Standard Kit Part numbers
5800-1000-800792 for 1 GHz

TRANSMETA™

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