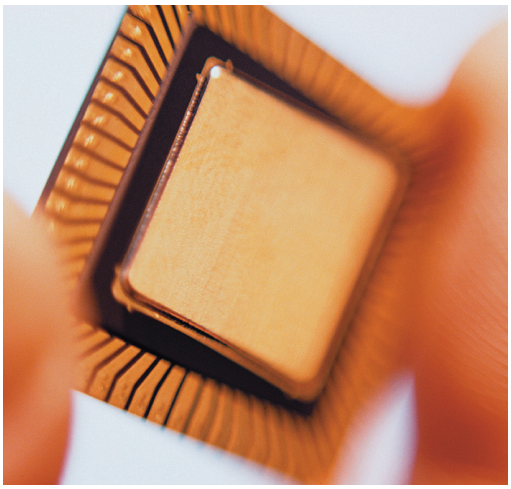
Hardware Evaluation and Software Development Tools

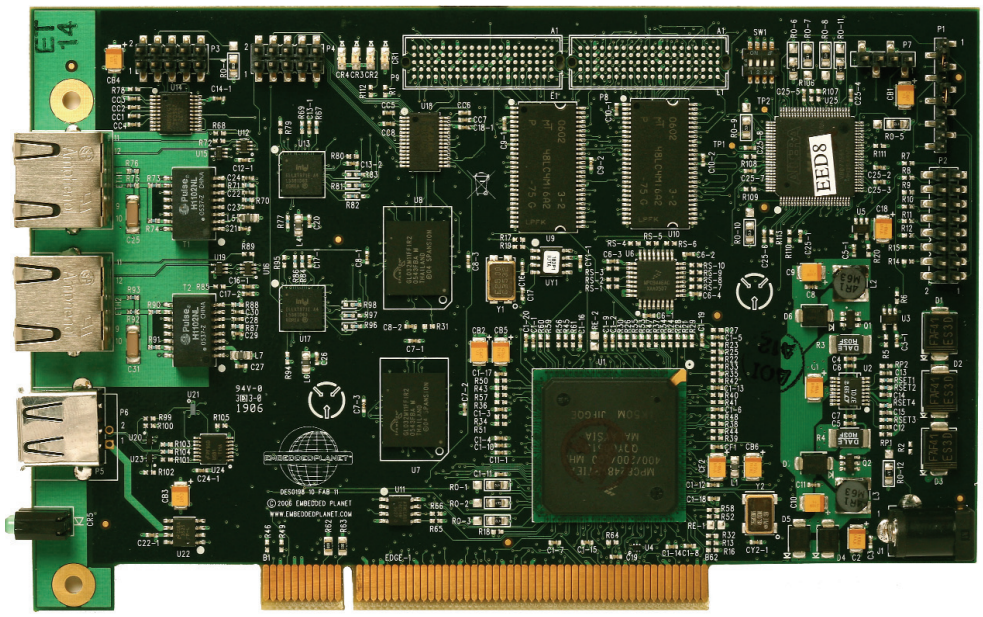
CodeWarrior™ Development Studio

QUICCstart 8248 Evaluation System

Overview

The MPC8248 Evaluation System is a simple yet powerful platform that enables evaluation and development to begin before the target hardware is available. This kit offers a solid platform for both hardware and software engineers to use in evaluating and prototyping designs that closely parallel their final applications. The MPC8248 Evaluation System also gives software engineers a live target on which to begin developing and testing application code. The MPC8248 QUICCstart evaluation system comes complete with the board, a Linux BSP pre-flashed, associated power supply and cables, CodeWarrior™ Development Studio, and CodeWarrior USB TAP run-control device. This evaluation system has been packaged so that you are productive within 30 minutes from unpacking the kit.





MPC8248 Evaluation Board Features

> Freescale™ MPC8248 processor – 400 MHz

> 16 MB 64-bit wide, SDRAM

> 8 MB Flash

> 2 – 10/100 BaseT Ethernet

> 1 USB port, type A or B

> 1 – RS232 ports

> Quick start guide

> PCI bus interface and PCI card form factor for easy use and insertion into PCI slots

> Stand-alone operation or integrated operation in PCI slot

> CD-ROM with design, reference and complete documentation

> USB TAP JTAG/COP Run Control

> Power supply and cables

freescale semiconductor

CodeWarrior Development Studio QUICCstart 8248 Evaluation System

CodeWarrior Development Studio, PowerPC ISA Edition for Comm. Processors

CodeWarrior Development Studio is a powerful and easy-to-use tool that is designed specifically to increase software development productivity. The CodeWarrior integrated development environment (IDE) provides an intuitive graphical user interface (GUI) for development for the PowerPC® instruction set architectures. CodeWarrior provides:

> Debugger support for source, assembly and mixed source/assembly debugging

> Complete ANSI/ISO C/C++ compliant compiler

> Hierarchical C++ browser

> Powerful hardware-level diagnostics and troubleshooting facilities

> Complete code navigation system

Linux®

> Board support package (BSP) contains prebuilt RAM and ROM kernel images designed and tested for the MPC8248

> BSP documentation describes installation, setting up the development environment (target and host), building and downloading a custom kernel image and running applications

> Includes smaller versions of common Linux utilities

> Source code for the kernel is included.

Benefits

Free detailed schematics

All Freescale evaluation systems come with free schematics in PDF format. These schematics can give hardware engineers a solid reference for use in designing their own boards.

Tools integration

Freescale reference designs and hardware-assisted debugging tools are well integrated to provide a good out-of-the-box experience. Every board has its own board support package, so developers can immediately begin using all of the Freescale tools.

Experienced support

As a supplier of evaluation systems, reference designs and hardware-assisted debugging tools for an array of microprocessors, Freescale has all the experience necessary to provide knowledgeable, responsive application and technical support for development projects.

Board support packages

Because even the best hardware design needs good software support, Freescale provides the source code for the Linux board support package included with this kit. With the supplied Linux source files, developers can fully utilize and modify the source code for their current and future projects.

Accelerated early development

Firmware, hardware and production test engineers can all take advantage of Freescale's evaluation systems and reference designs. Firmware and hardware engineers can adapt Freescale evaluation systems to their own, enabling them to reduce development time. Production test engineers can use the board and the included CodeWarrior software and CodeWarrior USB TAP run-control devices to design and prototype complex and efficient production algorithms before the custom hardware is prototyped.

Ordering Information

> Part Number – CWH-PPC-8248N-VE

> The CodeWarrior Development Studio in this package is an evaluation version, time-limited to 30 days from installation.

> Fully licensed versions of the above can be obtained separately via your local Freescale distributor.

Learn More: For more information about Freescale products, please visit **www.freescale.com/codewarrior**

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