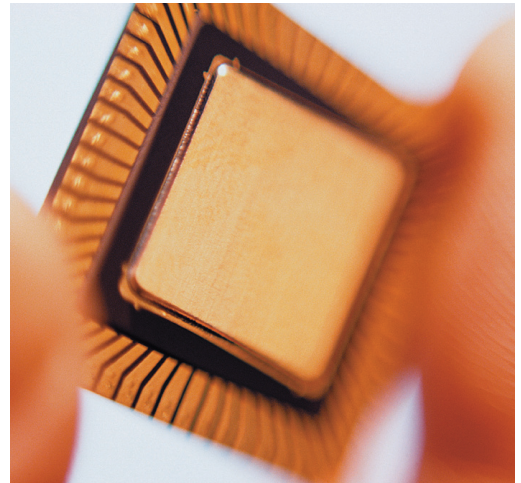


# CodeWarrior™ Development Studio

## QUICCstart 852 Evaluation System

The Freescale™ MPC852 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 MPC852 Evaluation System also gives software engineers a live target on which to

begin developing and testing application code. Like all Freescale evaluation systems, the MPC852 system comes complete with the board, associated power supply and cables, CodeWarrior™ Development Studio, and the Precise/MQX™ RTOS. This evaluation system has been packaged so that you are productive within 30 minutes of unpacking the kit.



### **MPC852 Evaluation Board Features**

- > Freescale MPC852T processor – 50 MHz
- > RPX bus provides direct access to the MPC852 603 bus and CPM bus
- > 16 MB SDRAM (expandable to 128 MB)
- > 8 MB Flash (expandable to 32 MB)
- > 10/100 BaseT Ethernet
- > 10 BaseT Ethernet
- > Single RS232 ports
- > PC/104 mechanical form factor (3.6 by 3.8 inches)
- > CD-ROM with design, reference and complete documentation
- > PlanetCore on board monitor
- > DPI/BDM run-control interface
- > Power supply and cables

# CodeWarrior Development Studio QUICCstart 852 Evaluation System

## **Precise/MQX™**

Precise/MQX is a scalable real-time operating system (RTOS) that is specifically written to meet the design requirements of embedded Internet, wireless, networking and telecom applications.

- > Small configurable size
- > Fast, deterministic performance
- > Portable adaptive technology
- > Support for multiple configurations
- > Control of source code

## **CodeWarrior Development Studio, Embedded PowerPC® ISA Edition**

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
- > Complete code navigation system
- > RTOS awareness for Precise/MQX

## **Benefits**

### **Free detailed schematics**

All Freescale evaluation systems come with free schematics in electronic format. Schematics give hardware engineers a solid design for use in building 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 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 is useless without software support, Freescale provides the source code for board support packages available for bare board use, with our Linux® product and with the Precise/MQX RTOS. Developers can fully utilize and modify the source code for current and future projects.

## **Accelerated early development**

Firmware, hardware and production test engineers can all take advantage of Freescale 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 WireTAP®/ PowerTAP® PRO debugging tools or some third-party run-control devices to design and prototype complex and efficient production algorithms before the custom hardware is prototyped.

## **Ordering Information**

- > Part Number – CWDS852EVAL \$495.00 USD
- > The CodeWarrior Development Studio in this package is an evaluation version, time-limited to 30 days from installation.
- > The MQX/Precise RTOS in this package is an evaluation version, execution limited.
- > 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](http://www.freescale.com/codewarrior)

FREESCALE and the FREESCALE logo are trademarks of Freescale Semiconductor, Inc. CODEWARRIOR and the CODEWARRIOR logo are trademarks of Metrowerks Corp. All other product or service names are the property of their respective owners.

© Freescale Semiconductor, Inc. 2005. © Metrowerks Corp. 2005. Metrowerks is a Freescale company. ALL RIGHTS RESERVED.

950-00135

REV A

