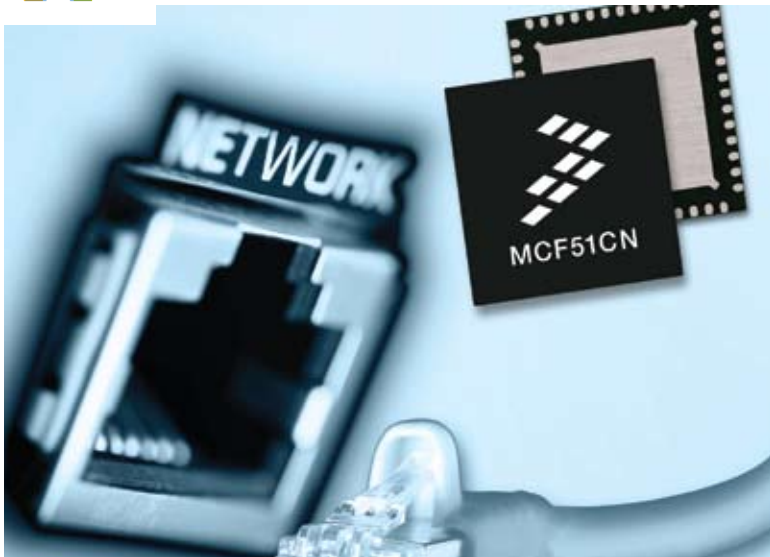




Guide for TWR-MCF51CN

TOWER SYSTEM



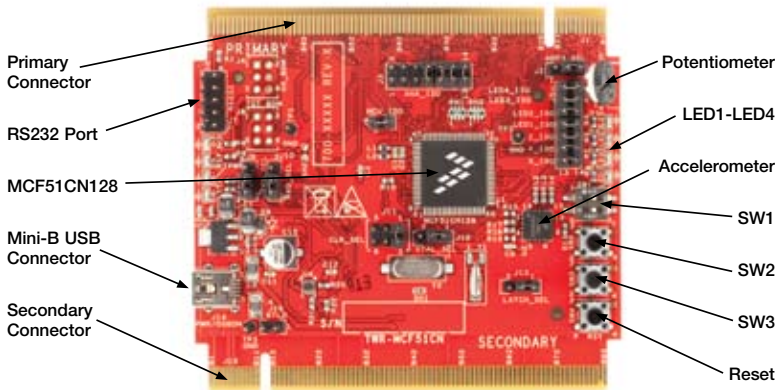
MCF51CN128

ColdFire® Ethernet MCUs





Get to know the TWR-MCF51CN



TWR-MCF51CN-KIT Freescle Tower System

The TWR-MCF51CN module is part of the Freescle Tower System, a modular development platform that enables rapid prototyping and tool re-use through reconfigurable hardware. Take your design to the next level and begin constructing your Tower System today.

Step-by-Step Installation Instructions

In this Quick Start Guide, you will learn how to set up the TWR-MCF51CN module and run the default accelerometer demonstration.

STEP 1

Install software and tools

- Install CodeWarrior™ Development Studio for Microcontrollers v6.2 (Professional Edition - 30 day license)*
- Install Processor Expert Update v3.06
- Install CodeWarrior Patch v6.2.2
- Install Freescale MQX™ RTOS v3.2

Install in the order listed. These programs are included on the DVD. For updates, please visit www.freescale.com/tower

*A Basic, Standard, or Professional version of CodeWarrior is required to run the MQX Lab Tutorials. CodeWarrior Professional 30-day evaluation is included on DVD.

STEP 2

Connect the USB cable

Connect one end of the USB cable to the PC and the other end to the mini-B connector on the TWR-MCF51CN module. Allow the PC to automatically configure the USB drivers if needed.

STEP 3

Tilt the board

Watch **LED1**, **LED2** and **LED3** light up as the TWR-MCF51CN module is tilted back and forth. Press **SW2** or **SW3** to see **LED4** light up.

STEP 4

Explore further by conducting Lab 1:

Security Monitor with Telnet

To run a telnet demonstration using the TWR-MCF51CN, follow the instructions in **Lab 1: Security Monitor with Telnet**.

The lab is located in the **TWR-MCF51CN-KIT Lab Tutorial** document, located under the Training tab on the DVD.



continued on back...



Learn more about the MCF51CN128 and MQX software

Read the release notes and the MQX training labs that are located on the DVD and at www.freescale.com/tower.

- **Lab 1:** Security Monitor with Telnet (Default demo)
- **Lab 2:** Web-Enabled Security Monitor
- **Lab 3:** Low-Power e-Mail-Enabled Security Monitor
- **Lab 4:** Ethernet to Serial Bridge

Use **Lab 1** to re-program the board with the default telnet demonstration.



Run simple MQX projects

The included lab tutorials represent completed end applications fully utilizing the microcontroller resources. To begin your own applications, there are simple MQX templates located under **C:\Program Files\Freescale\Freescale MQX 3.2\mqx\examples**

Please visit www.freescale.com/tower and www.freescale.com/mqx for the latest Lab Tutorials, application notes and other documents.

Learn more at www.freescale.com/tower.

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Doc Number: TWRMCF51CNQSG / REV 1
Agile Number: 926-78329 / REV B