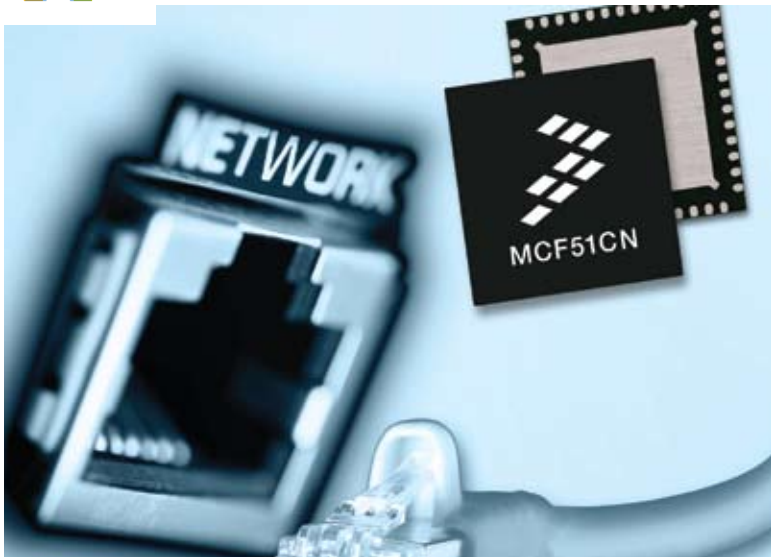




Guide for TWR-MCF51CN

TOWER SYSTEM



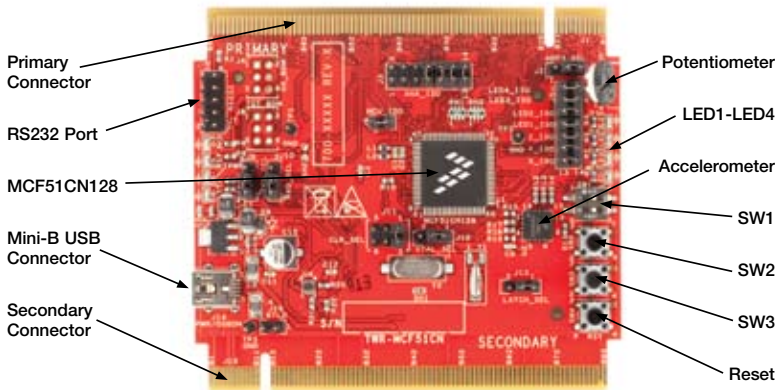
# MCF51CN128

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](http://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](http://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](http://www.freescale.com/tower) and [www.freescale.com/mqx](http://www.freescale.com/mqx) for the latest Lab Tutorials, application notes and other documents.

Learn more at [www.freescale.com/tower](http://www.freescale.com/tower).

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