



MCF5225X

Connectivity Labs 5 and 6

freescale
semiconductor

About the Tower System

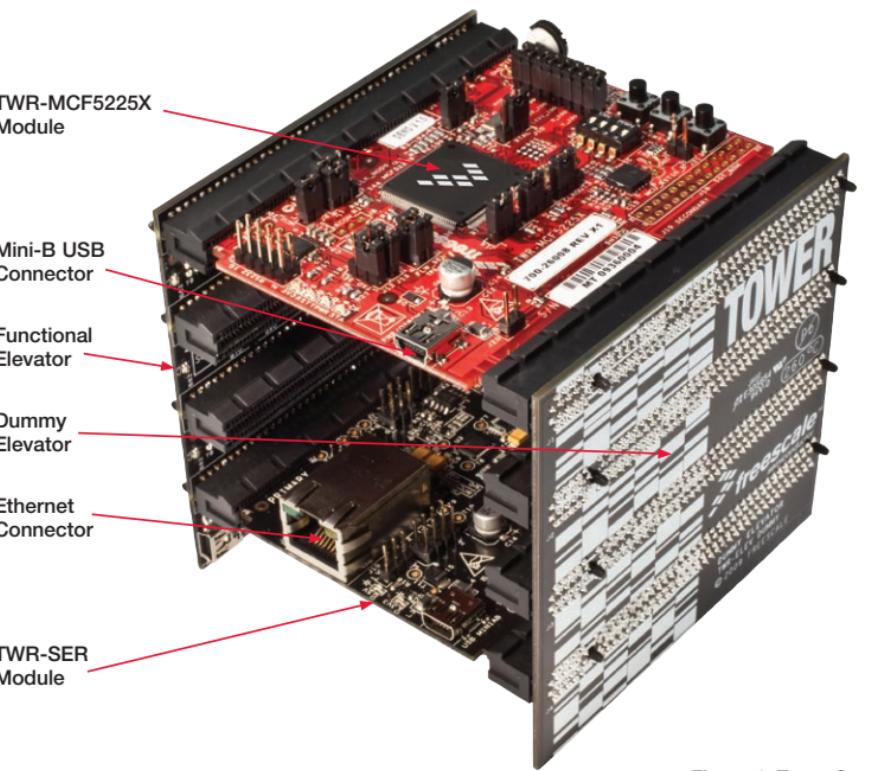


Figure 1: Tower System

Get to know the TWR-MCF5225X



TWR-MCF5225X-KIT Freescale Tower System

The TWR-MCF5225X module is part of the Freescale 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.

...reverse side...

However, if you have trouble connecting, you may configure the IP address of the computer manually. Select Start > Settings > Network Connections > Local Area Connection. Note your original TCP/IP settings, and then set your IP address to 169.254.3.4 and your subnet mask to 255.255.0.0.

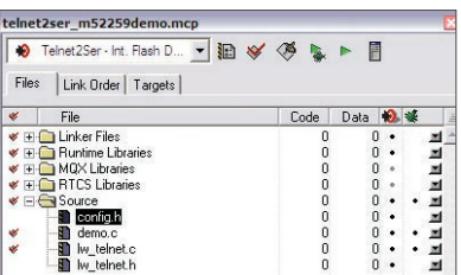


Figure 1: MQX source tree

- Open the **config.h** file in the CodeWarrior window as shown in Figure 1. Double click the file item located in the "Source" group in the CodeWarrior project tree.

- Locate the line of code starting with **#define ENET_IPADDR** and specify your target IP address by using the IPADDR macro. Set the target address to 169.254.3.3, and the line will be:
#define ENET_IPADDR IPADDR(169,254,3,3)
- Do the same with the IP address mask value ENET_IPMASK:
#define ENET_IPMASK IPADDR(255,255,0,0)
- Compile, download, and run the application and open a hyperterminal window as was done in steps 8 to 15 of Lab 1.
- Open a command prompt on the PC (Start > All Programs > Accessories > Command Prompt). At the prompt invoke a telnet session to the board by typing telnet 169.254.3.3 You will be connected to the MQX shell via telnet.
- Now the serial console and the telnet sessions should be "bridged." Type some characters into the telnet session, and you should see the characters appearing on the console terminal window. See Figure 2 for how it will appear.

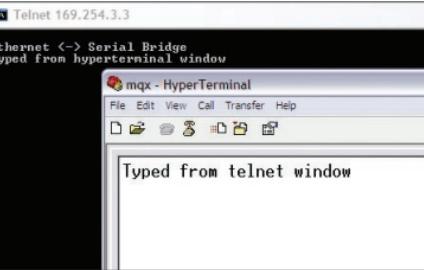


Figure 2: Ethernet to Serial Bridge

- Then try typing into the console terminal window, and you should see the characters appearing in the telnet session.

Learn More: For more information about MQX and Freescale solutions, please visit www.freescale.com/mqx and www.freescale.com/tower.

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