

TWR-ZGWIFI: Tower System 802.11b Wi-Fi Module

- [Overview](#)
- [Documentation](#)
- [Downloads](#)
- [Buy / Specifications](#)
- [Training & Support](#)

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The TWR-ZGWIFI peripheral module enables easy-to-use 802.11b Wi-Fi connectivity for your application development using the Tower System. This FCC-certified module comes with complimentary Freescale MQX™ software and enables you to quickly go from the lab to production with the same Wi-Fi hardware. The on-board Wi-Fi module from ZeroG Wireless is optimized for embedded applications with lower data rates, lower power consumption, and low system resource requirements.

This peripheral module is designed to be combined and used with other microcontroller and peripheral modules in the Tower System.

Features

- ZeroG "Wi-Fi I/O" Technology
 - Wi-Fi module connected to an external antenna (ZG2101M)
 - Simple SPI connectivity to host microcontroller
 - Low power consumption 2.4GHz transceiver
 - Works with standard 802.11 b/g/n access points
 - Supports all Wi-Fi client security protocols (WEP, WPA, and WPA2)
 - Modular certified for FCC, IC
 - CE and RoHS compliant
- Wi-Fi development with the use of existing Freescale software tools:
 - Complementary Freescale MQX RTOS and networking stack
 - CodeWarrior development environment
- Configuration jumpers for interrupts, SPI, and control signals SPI and Interrupt access via header for use outside Tower System
- RS232 debug port

Related Software & Tools

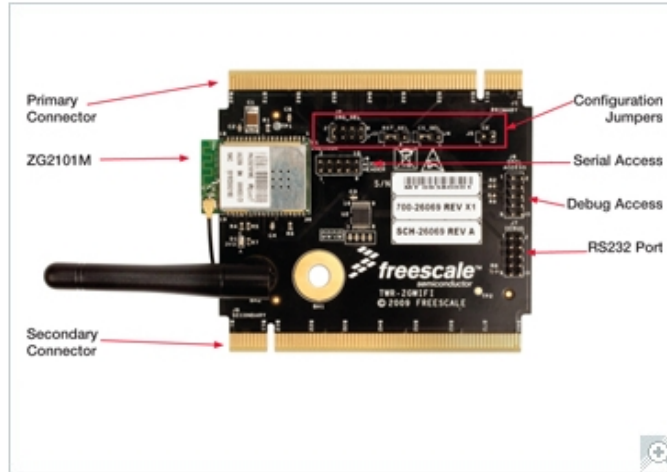
[TWR-MCF5225X: TWR-MCF5225X-KIT: Tower System Coldfire® V2 MCF5225X Connectivity Module](#)

[MQX: Freescale MQX™ Software Solutions](#)

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Related Pages

- [Freescale MQX™ Software Solutions](#)
- [Tower System](#)
- [ZG2100: ZeroG Wireless 802.11b Wi-Fi Module](#)
- [ZeroG Wireless](#)
- [All available modules and kits](#)



Supported Devices

- MCF5225X: One-Stop-Shop Connectivity 32-bit Microcontrollers



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Featured Documentation

- [ZGWIFILB: ZGWIFI Lab](#)
- [TWR-ZGWIFI_UM: TWR-ZGWIFI User Manual](#)
- [TWRZGWIFIQSG: TWRZGWIFI Quick Start Guide](#)
- [TWRFS: Freescale Tower System Fact Sheet](#)

Current Updates & Releases

[ZEROGENABLEMENTPATCH: ZeroG Enablement Patch for MQX](#)

Kit Contents

- 802.11b Wi-Fi board with ZeroG Wireless ZG2100M Wi-Fi module
- Quick Start Guide
- Interactive DVD

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Related Modules:

- [TWR-MCF5225X Connectivity Module](#)

Controller Continuum

[Continuum Magazine Building Control Edition](#)