

TWR-KM34Z75M: Kinetis M Series Tower System Module

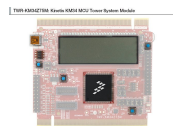
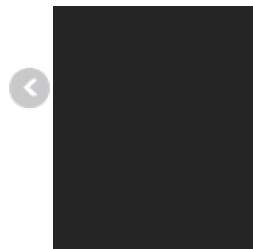
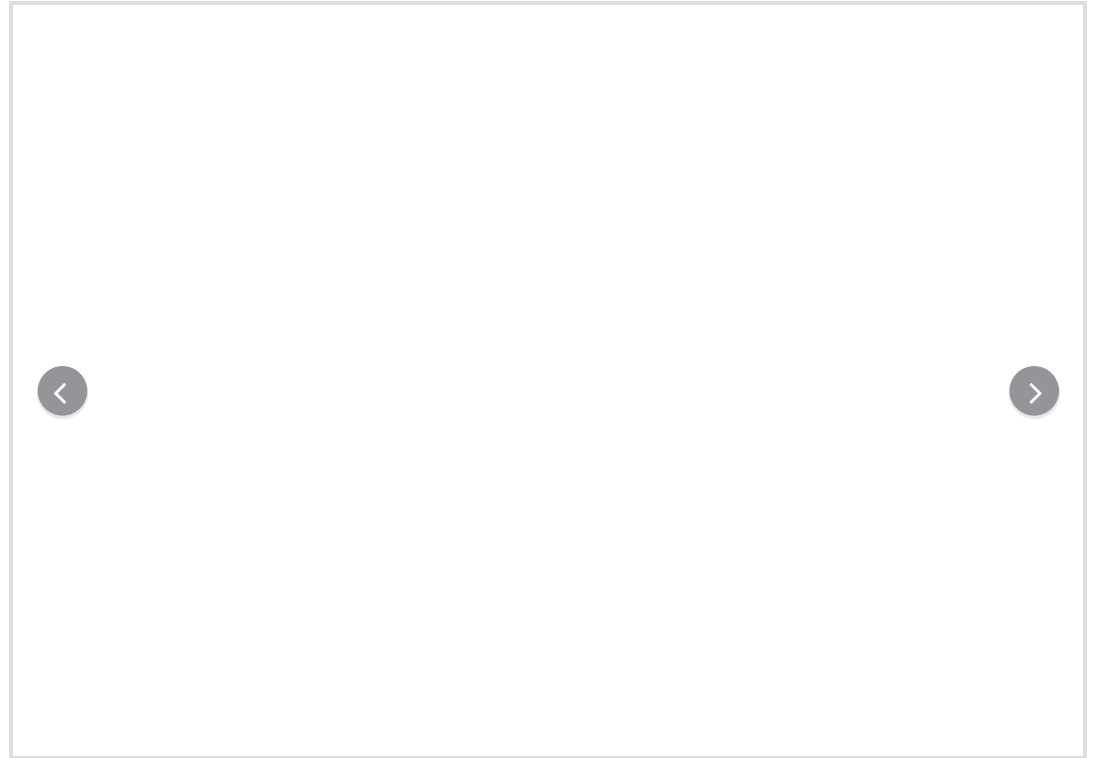
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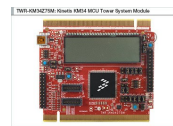
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Overview

The TWR-KM34Z75M board is designed to work either in standalone mode or as part of the Tower[®] System, a modular development board platform that enables rapid prototyping and tool re-use through reconfigurable hardware. Begin constructing your Tower System evaluation board platform today by visiting [NXP[®].com/Tower](https://www.nxp.com/Tower) for additional Tower System boards and compatible peripherals.

[Application Notes](#)
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TWR-KM34Z75M
Block Diagram
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TWR-KM34Z75M
Block Diagram

Features

- Tower[®]-compatible microcontroller module
- KM34Z256VLQ7 MCU (75 MHz, 256 KB Flash, 32 KB RAM, low power, LQFP144 package)
- USB interface with mini-B USB connector

Supported Devices

- **KM3x**: Kinetis KM3x-50–75 MHz Precision Metrology with Segment LCD MCUs based on ARM[®] Cortex[®]-M0+

Jump Start Your Design

- Large 160-segment glass LCD
- On-board debug circuit: Open source JTAG/SWD (OpenSDA) with virtual serial port
- Three-axis accelerometer/anti tamper tilt sensor (MMA8451Q)
- Four user-controllable LEDs
- Two user push button switches for GPIO interrupts
- One user push button switch for tamper detection
- One user push button switch for MCU reset
- Potentiometer
- Headers for direct GPIO and ADC access
- External tamper pins
- Independent, battery-operated power supply for real-time clock (RTC) and tamper detection modules
- IRDA support
- NTC temperature sensor
- General-purpose tower plug-in (TWRPI) socket

Kit Contains

- TWR-KM34Z75M Tower System module
- Quick Start Guide
- USB Cable

Start Here! Quick Start for the TWR-KM34Z75M

Start by following the instructions in the Quick Start Guide and explore the possibilities with TWR-KM34Z75M.

[TWR-KM34Z75M-QSG Quick Start Guide](#)

Type: Users Guides Format: pdf Size: 234.8 kB

[TWR-KM34Z75M Tower® Module User's Guide](#)

Type: Users Guides Format: pdf Size: 1.2 MB

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