FRDM-KL03Z: Freescale Freedom Development Platform for Kinetis KL03 MCUs

Buy

The Freescale Freedom development platform is a set of software and hardware tools for evaluation and development. It is ideal for rapid prototyping of microcontroller-based applications. The Freescale Freedom KL03Z hardware, FRDM-KL03Z, is a simple, yet sophisticated design featuring a Kinetis L Series MCU, built on the ARM® Cortex®-M0+ core.

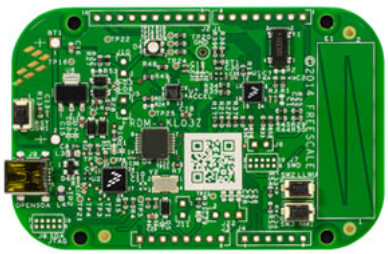
Features

- MKL03Z32VFK4 MCU – 48MHz, 32KB Flash, 2KB SRAM, 24QFN
- Capacitive touch slider, MMA8451Q accelerometer, tri-color LED
- Flexible power supply options – USB, coin cell battery, external source
- Two (2) user push-button switches for NMI interrupts and LLWU wake up (SW2/SW3)
- Thermistor sensor to measuring temperature
- Easy access to MCU I/O
- Battery-ready, power-measurement access points
- Form factor compatible with Arduino™ R3 pin layout
- New, OpenSDA debug interface
  - Mass storage device flash programming interface (default)– no tool installation required to evaluate demo apps
  - P&E Debug interface provides run-control debugging and compatibility with IDE tools
  - CMSIS-DAP interface: new ARM standard for embedded debug interface

Related Software and Tools

PE_DRIVER_SUITE: Processor Expert Software, Microcontroller Driver Suite
TSS: Xtrinsic Touch-Sensing Software
KDS_IDE: Kinetis Design Studio Integrated Development Environment (IDE)

FRDM-KL03Z: Freescale Freedom Development Platform



Supported Devices

Kinetis L Series: Low Power Microcontrollers (MCUs) based on ARM® Cortex®-M0+ Cores

Featured Documentation

FRDMKL03ZUG: FRDM-KL03Z User's Guide

Jump Start Your Design

Start Here! Quick Start for the FRDM-KL03Z
Get started out of the box with the ...

Kit Contains

- FRDM-KL03Z hardware
- Quick Reference Card
- Additional hardware required: USB A-to-MiniB cable (not included)

Connect With Us

Kinetis Microcontrollers Community
Get expert advice, share ideas and engage with the MCU developer community