

Overview

The FRDM-KL05Z is an ultra-low-cost development platform enabled by the [Kinetis® L Series KL0x](#) MCU family built on the Arm® Cortex®-M0+ processor. Features include easy access to MCU I/O, battery-ready, low-power operation, a standards-based form factor with expansion board options and a built-in debug interface for flash programming and run-control. The FRDM-KL05Z is supported by a range of NXP® and third-party development software.

Features

- MKL05Z32VFM4 MCU – 48 MHz, 32 KB flash, 4 KB SRAM, 32QFN
- Capacitive touch slider, MMA8451Q accelerometer, tri-color LED
- Easy access to MCU I/O
- Sophisticated OpenSDA debug interface
- Mass storage device flash programming interface (default) – no tool installation required to evaluate demo apps
- P&E Multilink interface provides run-control debugging and compatibility with IDE tools