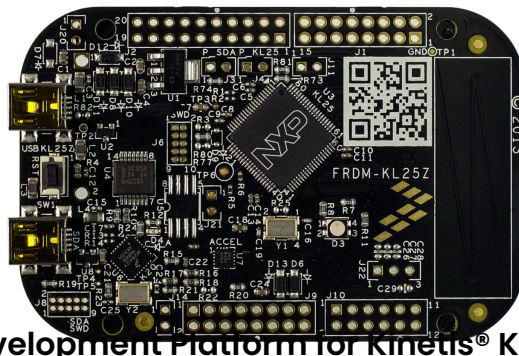


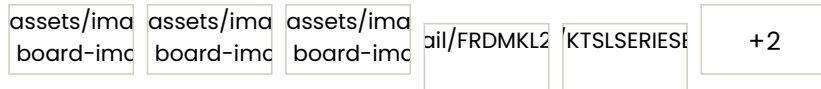
Freedom Development Platform for Kinetis® KL14, KL15, KL24, KL25 MCUs

FRDM-KL25Z [Receive alerts](#)



Freedom Development Platform for Kinetis® KL14, KL15, KL24, KL25 MCUs

Roll over image to zoom in



The Freedom KL25Z is an ultra-low-cost development platform for Kinetis® L Series KL1x (KL14/15) and KL2x (KL24/25) MCUs built on 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-KL25Z is supported by a range of NXP® and third-party development software.
- You can now use mbed.org at no charge, with full access to the online SDK, tools, reusable code—which means no downloads, installations or licenses—and an active community of developers.
- Processor Expert® component for low voltage H-Bridge >products enables rapid embedded application development.
- The FRDM-KL25Z is supported by Zephyr OS for developing the Internet of Things with a free, open-source embedded operating system.



[↑ BACK TO TOP](#)

Less ^

[DESIGN FILES](#)[SOFTWARE](#)

Product Details

[Supported Devices](#) | [Features](#) | |

Supported Devices

Processors and Microcontrollers

KL Series Arm Cortex-M0+

- **KL1x** (/products/processors-and-microcontrollers/arm-microcontrollers/general-purpose-mcus/kl-series-arm-cortex-m0-plus/kinetis-kl1x-48-mhz-mainstream-small-ultra-low-power-microcontrollers-mcus-based-on-arm-cortex-m0-plus-core:KL1x): Kinetis® KL1x-48 MHz, Mainstream Small Ultra-Low Power Microcontrollers (MCUs) based on Arm® Cortex®-M0+ Core
- **KL2x** (/products/processors-and-microcontrollers/arm-microcontrollers/general-purpose-mcus/kl-series-arm-cortex-m0-plus/kinetis-kl2x-72-96-mhz-usb-ultra-low-power-microcontrollers-mcus-based-on-arm-cortex-m0-plus-core:KL2x): Kinetis® KL2x-72/96 MHz, USB Ultra-Low-Power Microcontrollers (MCUs) based on Arm® Cortex®-M0+ Core

Features

MKL25Z128VLK4 MCU

- 48 MHz
- 128 KB flash
- 16 KB SRAM
- 80LQFP

Sensor

- Capacitive touch "slider"
- MMA8451Q accelerometer

Debug

- Sophisticated OpenSDA debug interface
- Open-source data logging application provides an example for customer, partner and enthusiast development on the OpenSDA circuit