Freedom Development Platform for Kinetis® K64, K63, and K24 MCUs

TSP1

Preproduction

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The Freedom-K64F is an ultra-low-cost development platform for Kinetis® K64, K63, and K24 MCUs.

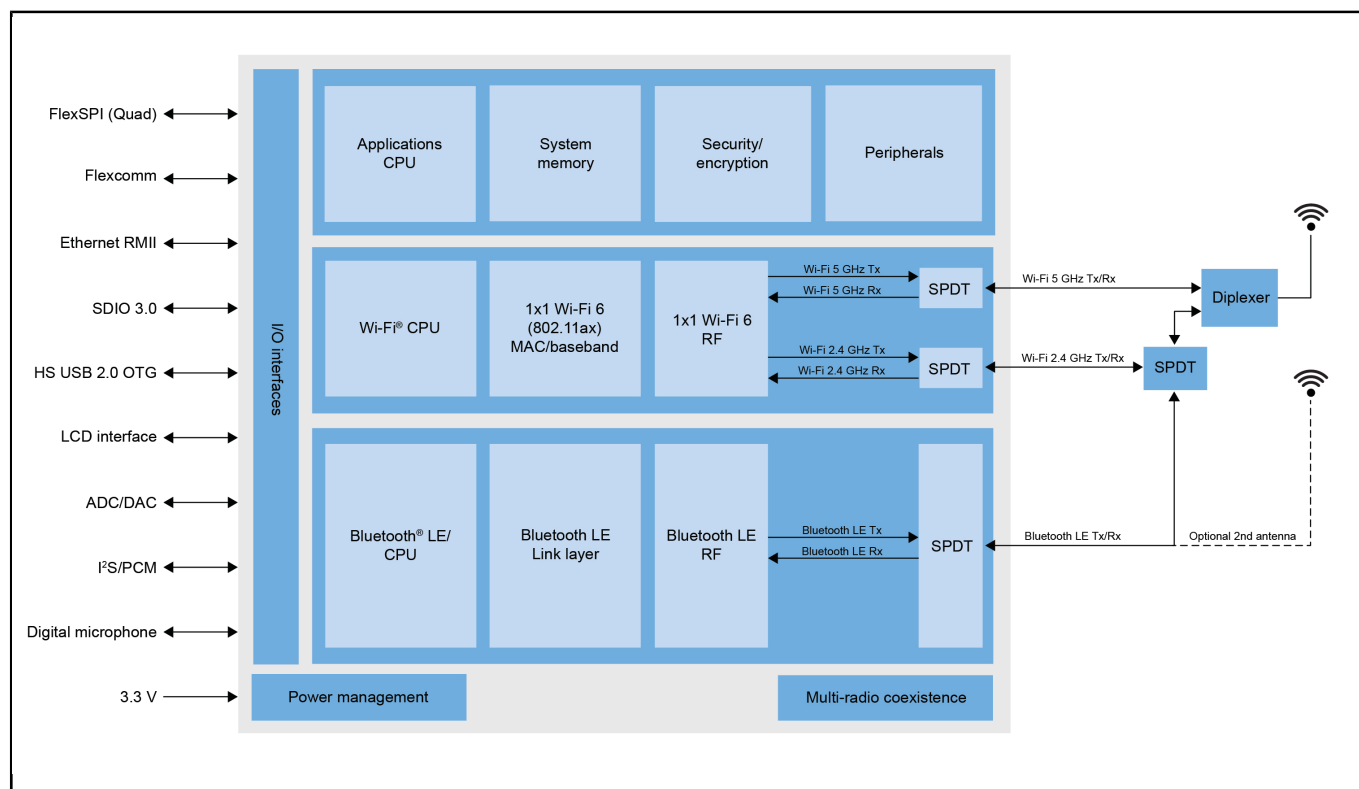Form-factor compatible with the Arduino® UNO Rev3 pin layout

Peripherals enable rapid prototyping, including a 6-axis digital accelerometer and magnetometer to create full eCompass capabilities, a tri-colored LED and 2 user push-buttons for direct interaction, a microSD card slot, and connectivity using onboard Ethernet port and headers for use with Bluetooth® and 2.4 GHz radio add-on modules

OpenSDAv2, the NXP open source hardware embedded serial and debug adapter running an open source bootloader, offers options for serial communication, flash programming, and run-control debugging

The FRDM-K64 is now supported by Arm® Mbed™ OS and Zephyr OS, both open source embedded operating systems for developing the Internet of Things.

Test Link

RW610 Block Diagram Block Diagram

View additional information for Freedom Development Platform for Kinetis® K64, K63, and K24 MCUs.

Note: The information on this document is subject to change without notice.