



Kinetis® KW30Z–2.4 GHz Bluetooth Low Energy 4.1 Microcontroller based on Arm® Cortex®–M0+

KW30Z

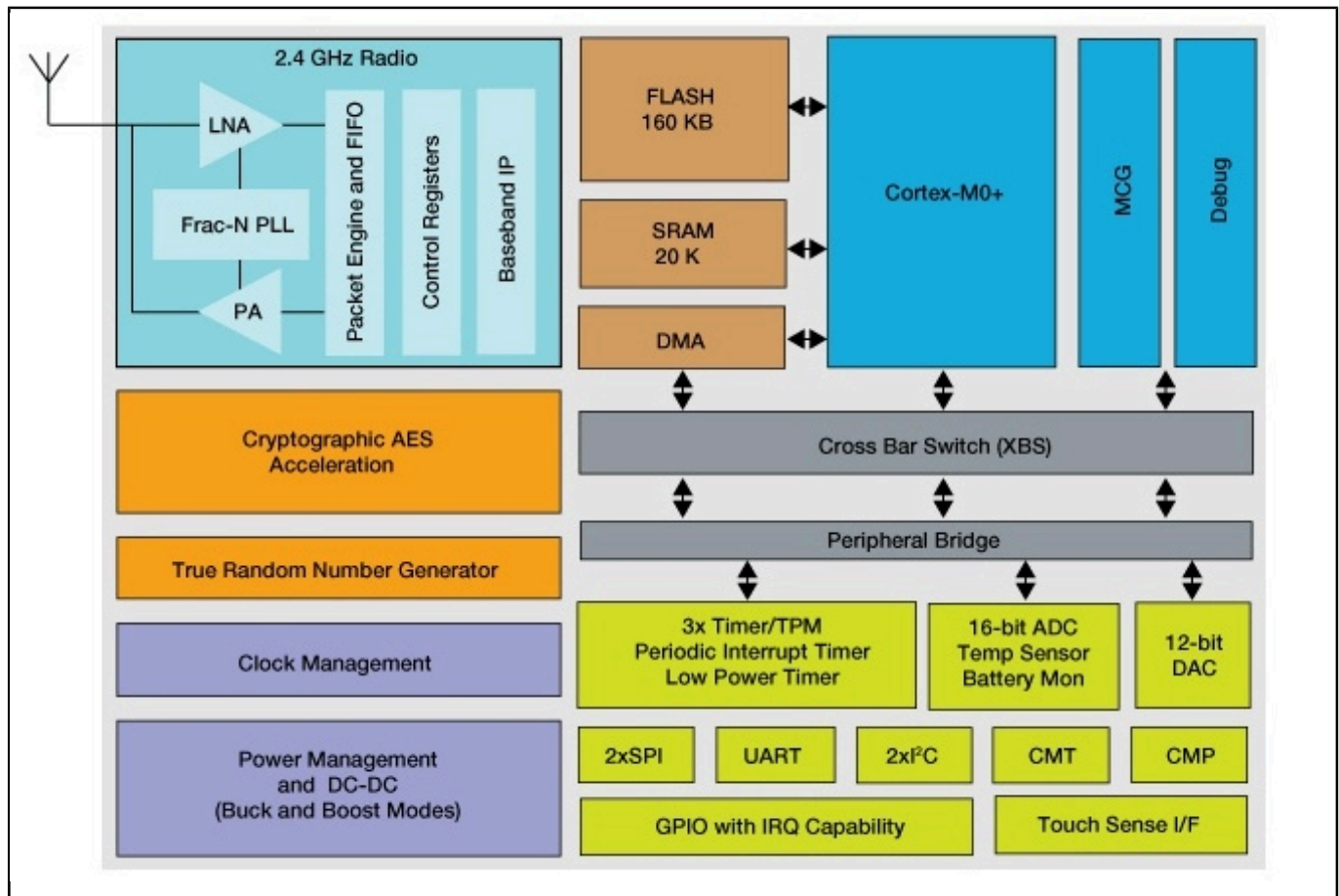
Last Updated: Mar 5, 2025

Note: [QN9090/30](#) is preferred for any new Bluetooth LE design. No new software releases planned

The KW30Z is an ultra low-power, highly-integrated single-chip device that enables Bluetooth® Smart/Bluetooth® Low Energy v4.1 RF connectivity for portable, extremely low-power embedded systems. Applications include portable health care devices, wearable sports and fitness devices, AV remote controls, computer keyboards and mice, gaming controllers and access control.

The KW30Z Wireless MCU integrates a 2.4 GHz transceiver, an Arm® Cortex®-M0+ CPU, 160 KB Flash and 20 KB SRAM, Bluetooth Low Energy Link Layer hardware, hardware security and peripherals optimized to meet the requirements of the target applications.

Kinetis W Series KW30Z MCUs Block Diagram Block Diagram



View additional information for [Kinetis® KW30Z-2.4 GHz Bluetooth Low Energy 4.1 Microcontroller based on Arm® Cortex®-M0+.](#)

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

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