



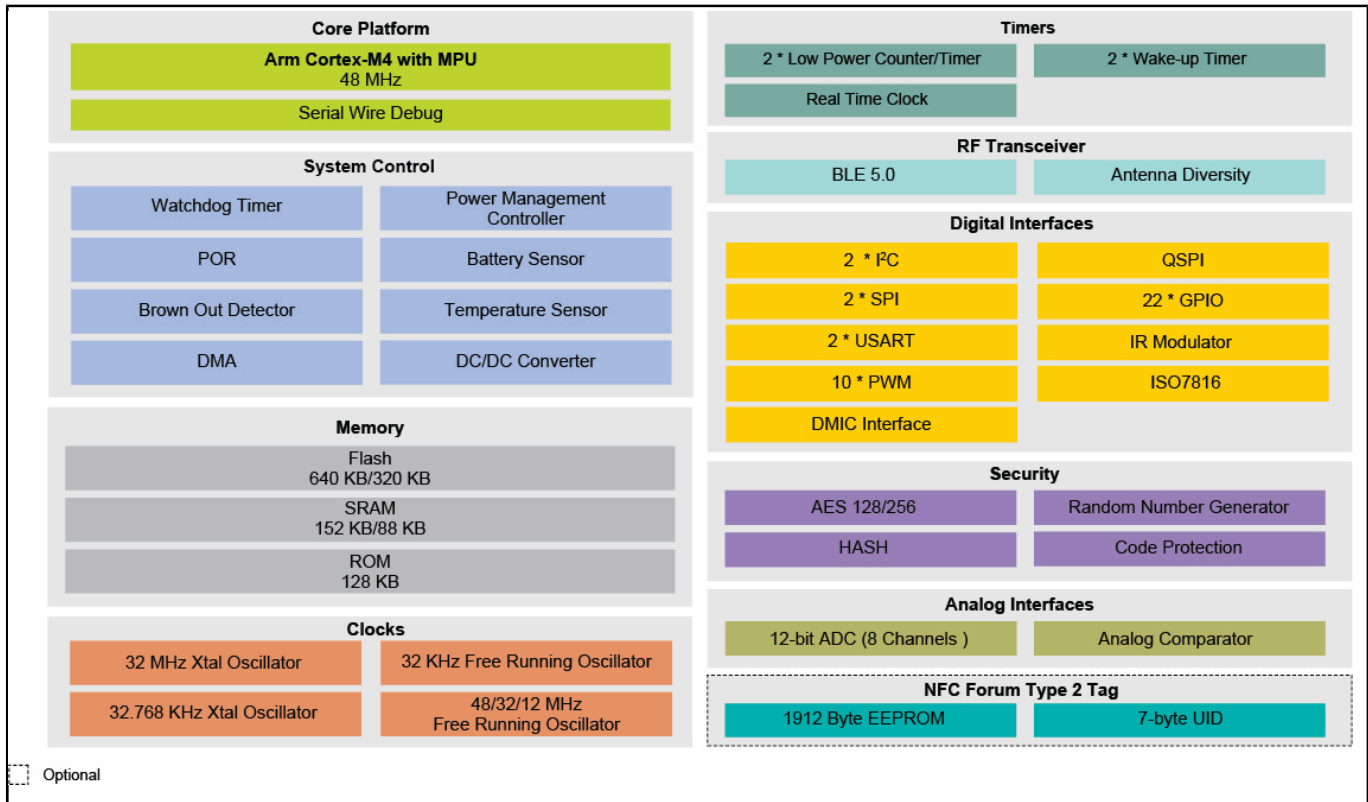
# **QN9090/30: Bluetooth Low-Energy MCU with Arm®Cortex®-M4 CPU, Energy Efficiency, Analog and Digital Peripherals and NFC Tag Option**

## **QN9090-30**

Last Updated: Jul 4, 2022

The QN9090 and QN9030 are the latest microcontrollers in the QN series of Bluetooth low energy devices that achieve ultra-low-power consumption and integrate an Arm®Cortex®-M4 CPU with a comprehensive mix of analog and digital peripherals. With support for up to 640KB onboard flash and 152 KB SRAM, the memory integration provides room and flexibility for complex applications and safe Over-the-Air (OTA) updates. QN series devices have a rich set of MCU peripherals including multiple serial communication interfaces. Within the QN series the QN9090T and QN9030T integrate NFC NTAG to support use cases such as out-of-band pairing. By tapping a device based on the QN9090T with an NFC reader device, such as a smart phone or tablet, a Bluetooth LE connection can be established quickly simplifying the pairing process.

# QN9090/30 Block Diagram Block Diagram



View additional information for [QN9090/30: Bluetooth Low-Energy MCU with Arm®Cortex®-M4 CPU, Energy Efficiency, Analog and Digital Peripherals and NFC Tag Option.](#)

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

[www.nxp.com](http://www.nxp.com)

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2023 NXP B.V.