

# Nordic Dual-Core Pigtail



## Overview

It is the world's first wireless System-on-Chip (SoC) with two Arm® Cortex®-M33 processors, offering unequalled performance and features in a low power device. The combination of two flexible processors, the advanced feature set, and an operating temperature up to 105 °C, makes it the ideal choice for LE Audio, professional lighting, advanced wearables, and other complex. The nRF5340 DK (PCA10095) is a single-board development kit for evaluation and development on the Nordic nRF5340 System-on-Chip (SoC). The nRF5340 is a dual-core SoC based on the Arm® Cortex®-M33 architecture, with: a secondary Arm Cortex-M33 core, with a reduced feature set, running at a fixed 64. Nordic Semiconductor nRF5340 Multicore System-on-Chip (SoC) integrates two fully programmable Arm ® Cortex ® -M33 processors, advanced security features, a range of peripherals, and a multiprotocol 2. The transceiver supports BLUETOOTH ® Low Energy, ANT™, and 802. This is a development kit for the nRF5340 which is a dual-processor SoC with Bluetooth ® 5.2, Bluetooth mesh, Thread, and Zigbee® wireless protocol. Dual-core Bluetooth 5.



## Article Content

Meet the nRF5340, Nordic's New Dual-Core Flagship SoC

We're thrilled to announce the launch of the nRF5340, the new flagship in the Nordic SoC family. It is the world's first wireless System-on-Chip (SoC) with two Arm®

Exercise 2 – Custom board for a multi-core & TF-M

Exercise 2 – Custom board for a multi-core & TF-M capable SoC/SiP In this exercise, we will create a custom board definition for a board that is based on a Nordic

What is your experience with working the Nordic nRF53 series

My group has been using the Nordic nRF52 series parts for some time now and I'm getting questions on if we should migrate to the nRF53 dual-core parts for future products. Nordic has a history of severe

Feascom and Nordic Semiconductor Unveil Dual-Mode

Nordic Semiconductor says it is shipping more than 1 million Bluetooth LE System-On-Chips (SoCs) every day, claiming market leadership in

Nordic Semiconductor announces its first Wi-Fi chip, the dual-band Wi ...

Wi-Fi 6 IP Cores “The new Wi-Fi team's relentless hard work to enable Nordic to launch its first Wi-Fi product so soon deserves huge recognition,” continues Mike Davis, Nordic's Wi-Fi

Opti-Core Fiber Optic Patch Cords and Pigtails

The Opti-Core® patch cords support network applications in main, horizontal and equipment distribution areas and are available in riser (OFNR) and low smoke zero halogen (LSZH) rated jacket materials.

nRF54H20

nRF54H20 is a compact ultra-low power SoC with superior processing power, a generous amount of memory, and excellent efficiency. It has a new 4th

Nordic nRF5340

Dual-core Bluetooth 5.3 SoC supporting Bluetooth Low Energy, Bluetooth mesh, NFC, Thread and Zigbee. The nRF5340 is the world's first wireless System-on-Chip (SoC) with two Arm® Cortex®

nRF5340 Development Kit

This is a development kit for the nRF5340 which is a dual-processor SoC with Bluetooth ® 5.2, Bluetooth mesh, Thread, and Zigbee® wireless

nRF5340 DK

nRF5340 DK Development kit for the nRF5340, a dual-core Bluetooth 5.2 SoC supporting Bluetooth Low Energy, Bluetooth mesh, NFC, Thread and Zigbee The DK supports development with an extensive

Comparison of Nordic Semiconductor nRF52/nRF53

The nRF5340's revolutionary dual-core architecture supports complex multi-protocol applications with enhanced security features (TrustZone,

Pulsed Laser Diodes with Fiber Pigtail

Performance With a semi-automatic mounting setup, fibers can be precisely assembled to within just a few  $\mu\text{m}$ . This allows coupling efficiencies of  $> 85\%$  to be achieved. Depending on the laser diode chip

NordicSemi Wi-Fi 6 + Bluetooth LE 5.4 Dual Module-AN02C53C

Nordic nRF7002+nRF5340 Wi-Fi 6 + BLE 5.4 Dual Module AN02C53C This module can be integrated into a single PCBA to enable dual wireless connectivity for Wi-Fi and BLE applications, making it

Nordic Semiconductor nRF5340 | Farnell UK

Dual-core Bluetooth 5.2 SoC supporting Bluetooth LE, Bluetooth mesh, NFC, Thread and Zigbee. The nRF5340 is the world's first wireless SoC with two Arm®

MCU Boot with dual core NRF5340

Hi, we're using NRF5340 with NET core as child image. We're trying to implement MCUBOOT into our project and be able to update both images. I was not able to understand how

Opti-Core Fiber Optic Patch Cords and Pigtails

Fiber optic patch cords and pigtails provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at the desk. Patch

How Nordic Dual Chipsets Unlock True 8K Gaming

Learn how dual chipsets in 8K wired/wireless gaming mice, like the Akko Pulse 01 with nRF52840 + nRF52820, improve latency, stability, and

First Dual-Core Bluetooth 5.2 SoC Nordic NRF5340

Overview The nRF5340 is the world's first wireless SoC with two Arm® Cortex®-M33 processors. The nRF5340 is an all-in-one SoC, including a superset of the most prominent nRF52®

nRF5340 DK

In addition to USB, it can be powered with external source, but it also includes a CR2032 battery holder and a Li-Po battery connector, for in-field testing. Current consumption can be measured by using

nRF52840

The nRF52840 is a multiprotocol Bluetooth SoC supporting Bluetooth LE, Bluetooth Mesh, NFC, Thread and Zigbee.

nRF5340 Development Kit

Nordic Semiconductor's nRF5340-DK combines a high-performance application processor with a fully-programmable, ultra-low-power network

nRF5340 Multicore System-on-Chip (SoC)

Feature an integrated nRF5340 chipset and a powerful Arm® Cortex® -M33 dual-core MCU. Runs at 64MHz with a 215 EEMBC Coremark score, 90 Coremark/mA, 39µA/MHz (flash) and

Nordic nRF7002+nRF5340 WiFi 6 + Bluetooth LE 5.4

\* Nordic nRF5340 SoC Solution \* Dual-core Arm® Cortex® M33 \* 1MB/256KB Flash Memory; 512kB/ 64kB RAM \* Bluetooth specification v5.4 \* Supports Bluetooth

nRF5340 DK — Zephyr Project Documentation

The nRF5340 is a dual-core SoC based on the Arm® Cortex®-M33 architecture, with: a full-featured Arm Cortex-M33F core with DSP instructions,

## Contact Us

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