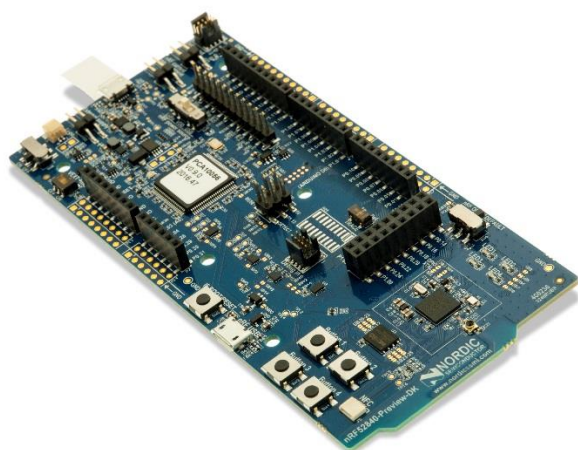


LAUNCH PACK

nRF52840 Preview DK

Public launch date/confidential until: December 6th, 2016



PRODUCT INFORMATION

Manufacturer	Nordic Semiconductor
Product name	nRF52840 Preview DK
Part number/Ordering code	nRF52840-PDK
Order date	Distributors can order from Nordic now.
Shipping date	From Nordic to distributors: Starting approx. Nov 30th
Publicly available	No earlier than December 6th, 2016
Recommended order quantity	1
Lead time	4 weeks
COO	Norway
ECCN	Uncontrolled. (5A002.a.1 is also applicable until March 31, 2017 if desired).
Distribution cost	37 USD
Recommended resale price	49 USD
Related products	nRF52840
Related software/protocol stacks	S140
Replacing products	N/A
Supporting products	S140, nRF5 SDK
Product page	http://www.nordicsemi.com/eng/Products/Bluetooth-Smart-Bluetooth-low-energy/nRF52840-preview-DK (still to be published)

PRODUCT SPECIFICATIONS

Description/Function	Affordable, flexible development kit for nRF52840 wireless SoC
Product Category	Bluetooth low energy/ANT/802.15.4/2.4GHz
RoHS	Yes + document
Product	Development Kit
Tool for evaluation of	nRF52840
Frequency	2.4GHz
Interfaces	QSPI/SPI/UART/2-wire
Operating supply voltage	1.8V – 5.5V
Antenna connector type	50Ω antenna
Core	Cortex-M4F
Memory options	1MB Flash 256kB RAM
Data Bus Width	32 bits
Supporting OTA-DFU	Yes.
Packaging/content	1 x nRF52840 Preview DK

OVERVIEW

The nRF52840 Preview DK is a versatile single board development kit for *Bluetooth®* low energy (including Bluetooth 5), ANT, 802.15.4 and 2.4GHz proprietary applications using the nRF52840 SoC. The kit supports all development for the nRF52840 SoC.

The kit is hardware compatible with the Arduino Uno Revision 3 standard, making it possible to use 3rd-party shields that are compatible to this standard. An NFC antenna can be connected the kit to enable NFC tag functionality. The kit allows access to all I/O and interfaces via connectors and has 4 LEDs and 4 buttons which are user-programmable.

The kit supports the standard Nordic Software Development Tool-chain using Keil, IAR and GCC. Program/Debug options on the kits are Segger J-Link OB.

All necessary firmware and Host software is provided to implement a full design at both ends of the application. The firmware runs on the nRF52 Series SoCs. Host software supports Linux.

KEY FEATURES

- Affordable, rapid prototyping and development solution for nRF52840 SoC
- Supports Bluetooth low energy/ANT/802.15.4/2.4GHz proprietary development
- Supports Bluetooth 5 development on the nRF52840 SoC
- ARM Cortex-M4F™ CPU
- DSP instruction set
- Arduino Rev. 3 compatible connector for use with 3rd party shields
- All I/O and interfaces available via connectors
- Segger J-Link OB Program/Debug supported
- USB 2.0 connector
- Integrated PCB antenna
- Connector for external NFC antenna (included)
- SWF RF connector for direct RF measurements
- Pins for power consumption measurements
- Compatible with Nordic Power Profiler Kit
- Coin-cell battery holder
- 5.5v – 1.7v battery and USB, external.

APPLICATIONS

- Advanced connected wearables
- Connected payment wearables and devices
- IoT sensors and hubs
- Sports and Medical
- Connected Smart Home sensors and controllers
- Connected building sensors and controllers
- Smart City sensors
- Advanced voice enabled HID devices
- Remote control toys

CALL-TO-ACTION

- 1) **Please add** “nRF52840 Preview DK” to your website/online store and publish no earlier than public launch date, December 6th, 2016.
- 2) **Return of old kits:** N/A
- 3) **Promote.** See below for details.

PROMOTION

Please go to [Filecamp](#) for access to relevant content, photos and Nordic’s general Corporate Brand Manual.

Images/photos	Available on Filecamp
Related social media hashtags	#nRF52840 DK, #NordicSemi, #nRF52840
Nordic social media accounts Co-promotion: Follow, share, like and post about us & our products on social media.	Youtube Twitter / @NordicTweets Facebook and LinkedIn

CONTACTS For product related questions, please contact your Distribution Sales Manager or Regional Sales Manager in Nordic Semiconductor. For marketing and PR related questions, please contact us at marketing@nordicsemi.no