## New Product Announcement

# Nordic Semiconductor's nRF52820 Multi-protocol SoC, Now at Mouser, Combines Bluetooth 5.2 with USB 2.0

**September 23, 2020** – Mouser Electronics, Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking the nRF52820 multi-protocol system-on-chip (SoC) from Nordic Semiconductor. With support for the full suite of *Bluetooth*® 5.2 features and other popular communications protocols, the SoC is an ideal solution for a variety of wireless Internet of Things (IoT) applications, including asset tracking, high-performance human interface device (HID) controllers, smart home products, and professional lighting.

The Nordic nRF52820 SoC, available from Mouser Electronics, is based on Nordic's nRF52 Series architecture and supports *Bluetooth*® 5.2, Bluetooth Low Energy, and Bluetooth mesh, as well as Direction Finding, high-throughput 2 Mbps, and Long Range features. The SoC also supports Thread, Zigbee®, and 2.4-GHz proprietary communications technologies along with Full Speed USB 2.0 connectivity in a single-chip solution.

The ultra-low-power Arm® Cortex®-M4-based SoC is drop-in compatible with Nordic's nRF52833 SoC, offering a range of analog and digital interfaces such as an analog comparator, SPI, UART, TWI, QDEC, and Full Speed (12 Mbps) USB. The built-in USB, fully-featured multiprotocol radio and +8 dBm output power makes the nRF52820 SoC an ideal network processor to be paired with an application microcontroller in gateways and other smart home, commercial and industrial applications requiring advanced wireless connectivity.

Mouser also stocks the Nordic nRF52833 Development Kit, based an onboard nRF52833 SoC that emulates the features of the nRF52820 SoC. The kit offers four user-programmable buttons and LEDs, is hardware compatible with the Arduino Uno R3-based shields, and features connector pins for all inputs and outputs (I/O) and interfaces, including a dedicated connector for the included external NFC antenna.

To learn more, visit https://www.mouser.com/new/nordic-semiconductor/nordic-nrf52820/.

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**About Mouser Electronics**

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**About Nordic Semiconductor**

Nordic Semiconductor provides class-leading levels of wireless performance and sophistication at a price that enables the company's ultralow power (ULP) wireless chips to be used in even the most cost-sensitive consumer products. Nordic Semiconductor's chips can be found in products such as wireless PC peripherals, gaming controllers, sports and fitness sensors, toys, advanced multi-media controllers, and digital/satellite TV (set-top box) remotes and much more.

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Further information, contact:
Kevin Hess, Mouser Electronics
Senior Vice President of Marketing
(817) 804-3833
Kevin.Hess@mouser.com

For press inquiries, contact:
Kelly DeGarmo, Mouser Electronics
Manager, Corporate Communications and Media Relations
(817) 804-7764
Kelly.DeGarmo@mouser.com