



New Product Announcement

Nordic's nRF52833 Multiprotocol SoC, Now at Mouser, Supports Higher Temperatures of Pro Lighting Designs

January 21, 2020 – [Mouser Electronics](#), Inc. and [Nordic Semiconductor](#) have introduced to the distribution channel the [nRF52833](#) multiprotocol system-on-chip (SoC). Featuring *Bluetooth® 5.1* direction finding capabilities and an expanded temperature range, the nRF52833 is ideal for professional [lighting](#), asset tracking, and smart home applications.

“The nRF52833 brings even more versatility to what is a very mature hardware and software platform used in hundreds of millions of products across the globe,” said Kjetil Holstad, Director of Product Management with Nordic Semiconductor. “Such stability is especially important for commercial and industrial markets where product lifetimes are generally longer.”

The [Nordic nRF52833](#) SoC, available from Mouser Electronics, features a 64 MHz Arm® Cortex®-M4 core with floating point unit (FPU), with 512 Kbytes of flash and 128 Kbytes of RAM for higher value applications. The SoC includes a radio support for Bluetooth 5.1 capabilities such as direction finding, Bluetooth mesh, and long range use, along with support for IEEE 802.15.4, Zigbee®, Thread, and proprietary 2.4 GHz protocols.

The nRF52833 SoC’s dynamic multiprotocol capabilities enable excellent performance in professional lighting applications, as the device’s concurrent support for Bluetooth Low Energy and other protocols enables commissioning, provisioning, and interaction with a lighting [mesh](#) network from a smartphone. The device’s robust operating temperature range also enables usage in [industrial](#) and lighting applications that feature high ambient temperatures.

To learn more, visit <https://www.mouser.com/new/nordic-semiconductor/nordic-nrf52833-soc/>.

As an authorized distributor, Mouser Electronics is focused on the rapid introduction of new products and technologies, giving customers an edge and helping speed time to market. Over 800 semiconductor and electronic component manufacturers count on Mouser to help them introduce their products into the global marketplace. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each manufacturer.

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About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 800 manufacturers. Mouser offers 27 support locations around the world to provide best-in-class customer service and ships globally to over 630,000 customers in 223 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

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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