

New Product Announcement

Mouser Now Stocking STMicroelectronics' BlueNRG-2N and BlueNRG-LP Devices

October 8, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking two new BlueNRG wireless products from [STMicroelectronics](http://www.st.com) (ST). The [BlueNRG-2N](http://www.st.com) wireless network coprocessor and [BlueNRG-LP](http://www.st.com) wireless system-on-chip (SoC) both enable *Bluetooth*® Low Energy connectivity in applications such as home and industrial automation, smart lighting, fitness and wellness devices, security and mobile phone peripherals.

ST's [BlueNRG-2N](http://www.st.com) device is a Bluetooth 5.0-certified and Bluetooth Low Energy 4.2-compliant wireless network coprocessor that integrates an Arm® Cortex®-M0 core with power management, clocks, Bluetooth low energy radio, random number generator, external microcontroller interface (SPI/UART), and public-key cryptography. The Bluetooth Low Energy stack runs on the embedded Arm core and is stored in the on-chip non-volatile flash memory. Additionally developers can easily upgrade the stack via SPI/UART, as well through the dedicated STMicroelectronics software tools.

The BlueNRG-2N coprocessor helps lower power consumption and adds support for the latest Bluetooth features, which increase data throughput and enhance privacy and security. The device connects to a host controller, allowing design engineers to scale the performance, features, and cost of the host system independently.

For more information on ST's BlueNRG-2N coprocessor, go to <https://www.mouser.com/new/stmicroelectronics/stm-bluenrg-2n-coprocessors/>.

ST's [BlueNRG-LP](http://www.st.com) wireless SoC is an ultra-low power, programmable solution with 2.4 GHz state-of-art RF radio IPs for ultra-low latency applications. The BlueNRG-LP SoC is compliant with Bluetooth Low Energy 5.1, addressing point-to-point connectivity and Bluetooth Mesh networking IPs, while also offering high throughput of 2 Mbps and Long Range features. The SoC includes a 64 MHz Arm Cortex M0+ microcontroller and the BlueNRG core coprocessor (DMA based) for Bluetooth Low Energy timing-critical operations. The BlueNRG-LP offers high-speed and flexible memory types, including 256 kBytes of flash memory and 64 kBytes of RAM.

To learn more about the BlueNRG-LP SoC, visit <https://www.mouser.com/new/stmicroelectronics/stm-bluenrg-lp-soc/>.

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About Mouser Electronics

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