

For Immediate Release

New eBook from Mouser, with STMicroelectronics, Offers Expert Opinions on Developing Smart Home Devices

September 22, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the New Product Introduction (NPI) leader empowering innovation, announces a new eBook produced in collaboration with [STMicroelectronics](http://www.st.com) that explores strategies for overcoming challenges facing designers of smart home devices. In [*7 Experts on Designing Commercially Successful Smart Home Devices*](#), subject matter experts from industry-leading companies such as Microsoft, Cisco, and Ingersoll Rand offer their perspectives on the most important factors for developing new [Internet of Things](#) (IoT) solutions.

Homes and commercial buildings have evolved to incorporate intelligent design across a wide range of applications, with smart devices controlling everything from [lighting](#) and climate to HVAC and [security](#). These interconnected systems require carefully planned design engineering as well as detailed knowledge into the specific needs for a successful connected device. Smart buildings and cities bring together a network of [sensors](#), processors, artificial intelligence (AI), and connectivity solutions, challenging engineers to maintain mastery of an extensive range of technologies and products.

7 Experts on Designing Commercially Successful Smart Home Devices, the new eBook from Mouser and ST, offers plenty of food for thought for developers and engineers, covering topics including edge processing, user experience, and life cycle design. The eBook also includes product information for several useful ST solutions, including the [STM32 L5](#) ultra-low-power microcontroller series. Part of the [STM32](#) family of microcontrollers, the STM32 L5 series is based on an Arm® Cortex®-M33 processor with TrustZone® for Armv8-M, and is ideal for IoT applications requiring high security and [low power](#) consumption. ST's [BlueNRG-M2](#) application processor modules provide a complete RF platform in a minuscule form factor, supporting IoT and smart home devices with [Bluetooth®](#) Low Energy 5.0 connectivity and BQE qualification. ST's [VL53L3CX](#) time-of-flight ranging sensor embeds the company's third-generation FlightSense patented technology, combining a high-performance proximity and ranging sensor with multi-target distance measurements and automatic smudge correction for use in a variety of robotics and automation applications.

To learn more about ST products available from Mouser, visit <https://www.mouser.com/manufacturer/stmicroelectronics/>.

To read the new e-book, go to <https://www.mouser.com/news/stmicro-smarthome-ebook/mobile/index.html>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on 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 worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit www.mouser.com.

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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