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For Immediate Release

Mouser Electronics and iWave Systems Announce Global Agreement

Mouser Now Distributes iWave System-on-Modules Worldwide

September 8, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, announces a global distribution agreement with [iWave Systems](http://www.iwave.com), enhancing the global reach of iWave's extensive portfolio of system-on-modules (SoMs). Through the agreement, Mouser now offers iWave's SoMs based on Xilinx, NXP Semiconductors, and Intel® PSG technologies for industrial, automotive, medical, imaging, networking, and artificial intelligence (AI) applications.

iWave's [Xilinx ZU19/17/11 Zynq UltraScale+ MPSoC SoMs](#) incorporate Xilinx Zynq UltraScale+ multiprocessor SoCs (MPSoCs), which feature an innovative combination of FPGA fabric and six heterogeneous Arm® processor cores (four 64-bit Arm Cortex®-A53 and two 32-bit Arm Cortex-R5 cores). With enhanced processing system and processing logic functionality, the SoMs also offer improved security and robustness and exceptional memory and transceiver performances for use in high-end applications such as 4K video, deep neural AI and machine learning, automotive imaging radar, and high-speed networking. Mouser also offers the [Xilinx ZU19/17/11 Zynq UltraScale+ MPSoC development kit](#), which includes the Zynq Ultrascale+ MPSoC SoM and an ultra-high-performance carrier card with support for FMC, FMC+, QSFP, HDMI 2.0 input and output, 12G SDI input and output, USB Type-C, Gigabit Ethernet, and more.

iWave's [i.MX 8QuadMax SMARC SoMs](#), based on [NXP i.MX 8QuadMax](#) applications processors, are designed to achieve high-performance multimedia processing in demanding automotive, medical and industrial applications. Providing a complete solution on a highly integrated SMARC R2.0-compatible module, the SoMs incorporate the i.MX 8QuadMax's four Arm Cortex-A53 cores, two Cortex-M4F cores, and two Cortex-A72 cores, as well as a HiFi 4 DSP core and two graphics processing units (GPUs). The SoM is capable of implementing rich, fully independent graphics content across four HD screens or one 4K screen. The [i.MX 8QM/QP SMARC development kit](#) includes the SoM and a SMARC carrier board with all the necessary connectors, displays, and inputs and outputs (I/Os).

iWave's [Intel Arria® 10 SoC SoMs](#) are based on the Intel Arria 10 SX family FPGAs with dual Arm Cortex-A9 cores and up to 660K logic elements. The module includes 32-bit DDR4 memory support for HPS with ECC and 64-bit DDR4 support for FPGA. The Intel Arria 10 SoC SoM and associated [development platform](#) enable engineers to create FPGA-based designs in applications such as test and measurement, industrial controls, diagnostic medical imaging, and wireless infrastructure.

iWave, through its extensive portfolio of SoMs, strives to reduce time-to-market and simplify the product development process for organizations and industries across the globe.

To learn more, visit <https://www.mouser.com/manufacture/iwave-systems/>.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

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 1 million sq. ft. state-of-the-art facilities south of Dallas, Texas. For more information, visit www.mouser.com.

About iWave Systems

iWave Systems is a product engineering organization focused on providing powerful energy-embedded solutions built on Arm and FPGA-based chipsets. With over 20 years of design experience in the embedded system industry, iWave has been a dependable embedded partner for thousands of satisfied customers worldwide, helping them bring innovation to life with state-of-the-art system-on-modules, single board computers and solutions targeting the industrial, medical and automotive industry.

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