

New Product Announcement

NXP's i.MX 8M Processors, Now at Mouser, Meet Advanced A/V and Smart Home Requirements

June 12, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [i.MX 8M](http://www.nxp.com) family of applications processors from [NXP Semiconductors](http://www.nxp.com). The i.MX 8M family is designed to enable embedded designers to meet the new standards of user interface, intelligence and connectivity set by consumer electronic devices. The processors are especially ideal for increasing video, graphic, and [audio](#) system requirements for [smart](#) home and smart IoT applications, such as streaming video devices, streaming audio devices, industrial tablets, [medical](#) and fitness, digital signage, and general-purpose human machine interface (HMI) solutions.

The [NXP i.MX 8M](#) processors, available from Mouser Electronics, address leading-edge current and future trends in streaming media, high-resolution video, and graphic user interfaces. The processors integrate a general-purpose Arm® Cortex®-M4F core for real-time low-power processing, a GC7000Lite graphics processor, and either two (i.MX 8M Dual processors) or four (i.MX 8M Quad and QuadLite processors) Arm Cortex-A53 cores running at up to 1.5 GHz.

The i.MX 8M Quad and i.MX 8M Dual processors have hardware acceleration for video playback up to 4K and video decoding in h.265, h.264 and VP9. The Dual and Quad processors supports 32-bit audio samples with up a sampling rate to 768 kHz. The i.MX 8M QuadLite processor allows for video playback with software decoders if needed, providing an effective solution for graphics, processing performance, and high-speed interfaces.

NXP's i.MX 8M processors are supported by the [i.MX 8MQuad Evaluation Kit](#), which provides several memory options, a 10/100/1000 Ethernet port, [USB](#) 3.0 connectors, and PCIe high-speed interfaces. The board includes connectors for HDMI 2.0, MIPI-DSI for local displays, two MIPI-CSIs for camera input, USB 3.0, Gigabit Ethernet, an audio interface expansion connector, and a 3.5 mm headphone jack.

To learn more, visit www.mouser.com/nxp-i-mx-8m-processors.

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 700 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

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