



## NXP Expands i.MX RT Crossover Processor Portfolio with Powerful New Capabilities for Edge Node Computing

February 27, 2018

**Nuremberg, Germany (Embedded World 2018) – February 27, 2018** – NXP Semiconductors today announced the i.MX RT1060, the latest addition to the i.MX RT crossover processors line that expands the series to three scalable families. The new processor family introduces new features designed for real-time applications such as increased on-chip memory to 1MB, expanded connectivity options with High Speed GPIO, CAN-FD, and synchronous parallel NAND/NOR/PSRAM controller.

The i.MX RT crossover series bridges the gap between high performance and integration while minimizing costs to meet today's need for high performance embedded processors for millions of connected edge devices in the Internet of Things (IoT) and for machine learning functions at the edge node.



To address the need for smarter, more aware edge computing devices, the i.MX RT1060 processor delivers the highest performing Arm® Cortex®-M7 based devices with real-time operation and applications processor-level of functionality.

- At 600 MHz, it is 50 percent faster than any other Cortex-M7 product and more than two times faster than existing Cortex-M4 products.
- High performance, combined with an ARM Cortex-M7 core, results in an interrupt latency as low as 20 nanoseconds – the lowest among all ARM Cortex-based products.
- Integrated 512KB of Tightly Coupled Memory (TCM) SRAM delivers extremely effective core performance to meet the demanding requirements of real-time IoT and edge inferencing applications.

The processors offer rich user experiences (graphics, display, and audio) while reducing system-level costs, making them ideal for applications include audio subsystems, smart home and building automation, consumer and healthcare applications, industrial IoT devices, power conversion and motor control. Fast and secure interfaces for external memories eliminate the need for embedded flash, further reducing product costs and significantly lowering the cost of flash programming. Additionally, the i.MX RT with high-density on-chip SRAM and integrated DC-DC reduces the overall system cost and delivers an unprecedented value per dollar for customers.

### Pricing and Availability

i.MX RT1060 will be available Q4 2018 and priced at \$3.48 USD for 10K quantity. Please visit [www.nxp.com/iMXRT](http://www.nxp.com/iMXRT) for more information.