

## i.MX RT1040 Crossover MCU with Arm® Cortex®-M7 Core Operating Up to 600 MHz and Extended Temperature Range

## i.MX-RT1040

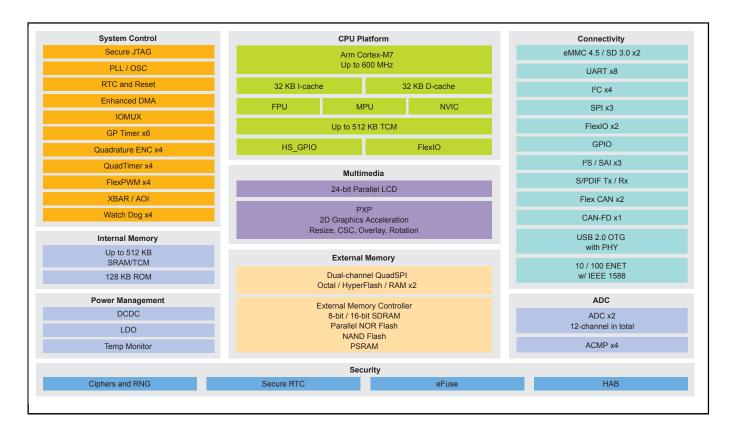
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i.MX RT1040 Crossover MCUs are based on the Arm® Cortex®-M7 core for real-time performance and high integration for Industrial and IoT applications.

The i.MX RT1040 CM7 operates at up to 600 MHz with 512 KB on-chip RAM that can be configured as TCM or general-purpose. The family offers various memory interfaces and a wide range of connectivity interfaces including UART, SPI, I<sup>2</sup>C, USB and CAN. The i.MX RT1040 provides additional flexibility with 169 BGA compact packages and an extended temperature range up to 125°C.

The i.MX RT1040 family is supported by the MCUXpresso ecosystem, which includes an SDK, a choice of IDEs, and secure provisioning and configuration tools to enable rapid development

## i.MX RT1040 MCU Block Diagram



View additional information for i.MX RT1040 Crossover MCU with Arm® Cortex®-M7 Core Operating Up to 600 MHz and Extended Temperature Range.

Note: The information on this document is subject to change without notice.

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