



# i.MX RT1020: Crossover MCU with Arm<sup>®</sup> Cortex<sup>®</sup>-M7

## i.MX-RT1020

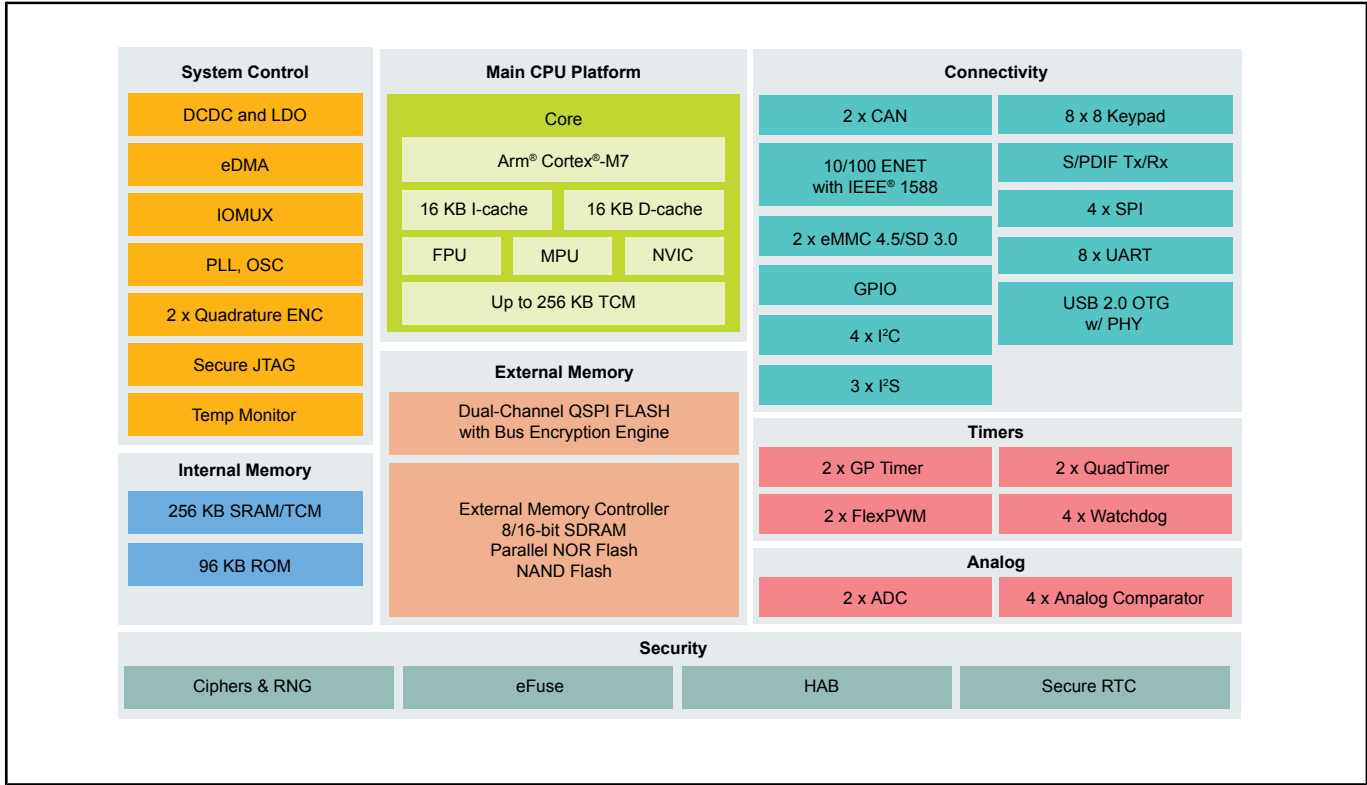
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i.MX RT1020 Crossover MCUs are based on the Arm<sup>®</sup> Cortex<sup>®</sup>-M7 core for real-time microcontroller (MCU) performance and high integration for industrial and IoT applications.

The i.MX RT1020 CM7 operates at up to 500 MHz with 256 KB on-chip RAM that can be configured as TCM or general purpose. This real-time MCU family offers various memory interfaces and a wide range of connectivity interfaces including UART, SPI, I<sup>2</sup>C, USB, 10/100M Ethernet and CAN. 144 LQFP and 100 LQFP packages for low-cost PCB designs.

The i.MX RT1020 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 RT1020 Crossover MCU Block Diagram



View additional information for [i.MX RT1020: Crossover MCU with Arm® Cortex®-M7](#).

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

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