



# i.MX RT1160 Crossover MCU Dual-Core Arm® Cortex®-M7 and Cortex-M4

## i.MX-RT1160

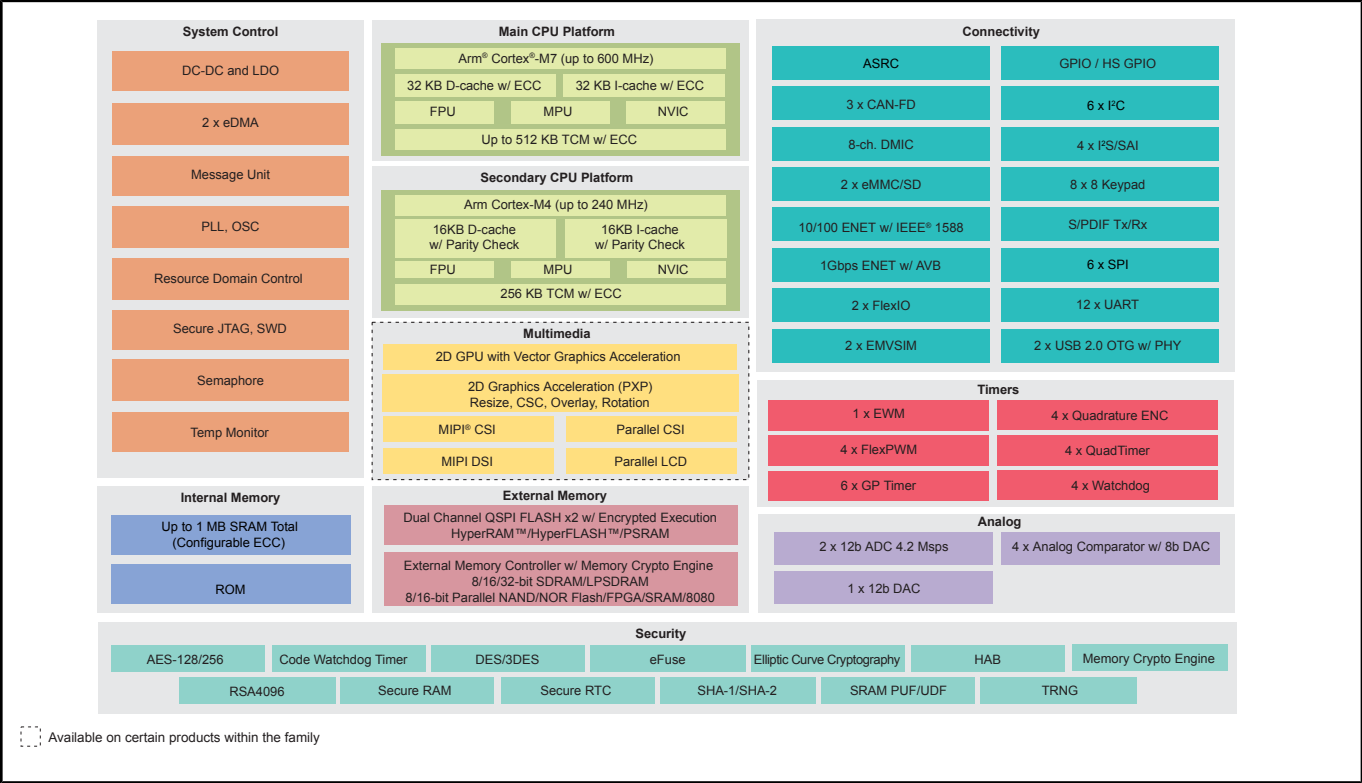
Last Updated: Jan 14, 2026

i.MX RT1160 Crossover MCUs are dual-core devices featuring an Arm® Cortex®-M7 and Cortex-M4 for real-time performance and high integration for Industrial and IoT applications.

The i.MX RT1160 Arm® Cortex®-M7 operates at up to 600 MHz and the Arm® Cortex®-M4 up to 240 MHz with 1 MB on-chip RAM. The family offers advanced 2D graphics, MIPI-CSI, MIPI-DSI, and various memory interfaces, a wide range of connectivity interfaces including 3x Ethernet up to Gbps with TSN/AVB, UART, SPI, I²C, USB and 3x CAN. The i.MX RT1160 provides advanced embedded security including secure boot and crypto engines.

The i.MX RT1160 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 RT1160 Crossover MCU Block Diagram



View additional information for [i.MX RT1160 Crossover MCU Dual-Core Arm® Cortex®-M7 and Cortex-M4](#).

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