i.MX RT500跨界MCU，配备Arm®Cortex®-M33、DSP和GPU内核

i.MX-RT500

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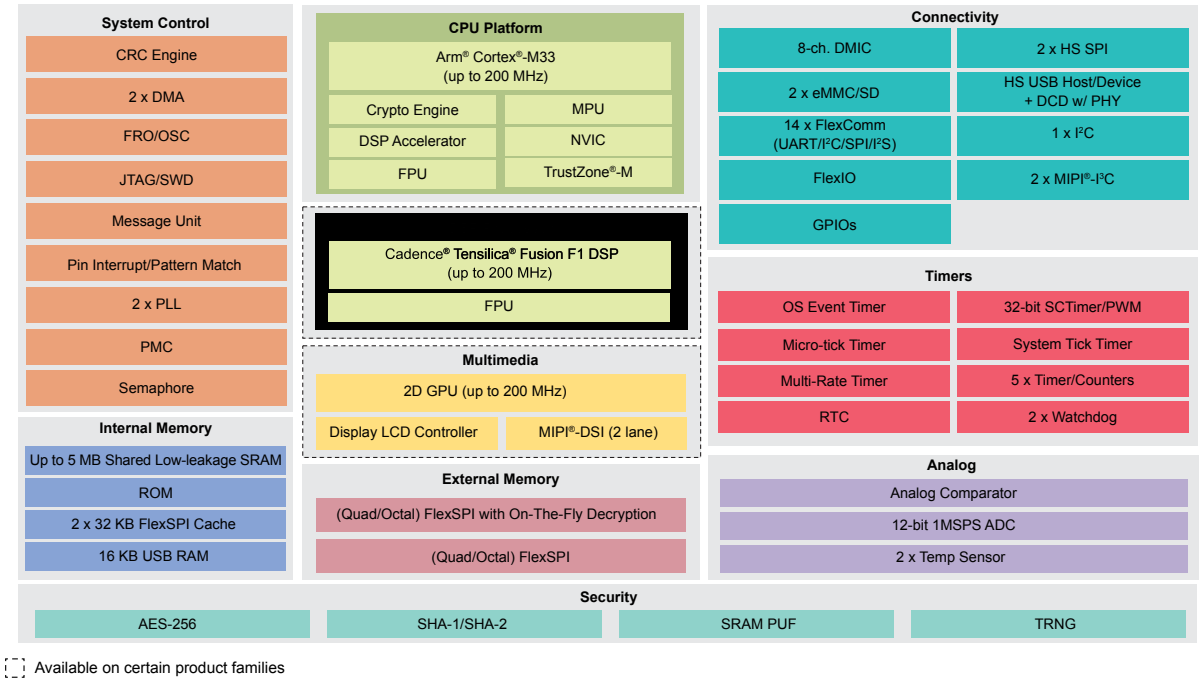
i.MX RT500跨界MCU是双核微控制器，采用Arm®Cortex®-M33核和Cadence®Xtensa®Fusion F1 DSP，专为低功耗可穿戴和消费级物联网应用而设计。

i.MX RT500 CM33的运行频率高达275MHz，包括两个协处理器，可提供更高的性能。Fusion DSP的运行频率高达275MHz。该系列提供丰富的外设、嵌入式安全性和超低功耗。该器件具有高达5MB SRAM和两个FlexSPI，每个FlexSPI具有32KB缓存。

i.MX RT500系列由MCUXpresso生态合作体系支持，其中包括SDK、IDE选项以及安全配置和配置工具，可实现快速开发。

i.MX RT500跨界MCU Block Diagram



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