



i.MX RT1180 跨界MCU，带TSN交换机和EdgeLock®

i.MX-RT1180

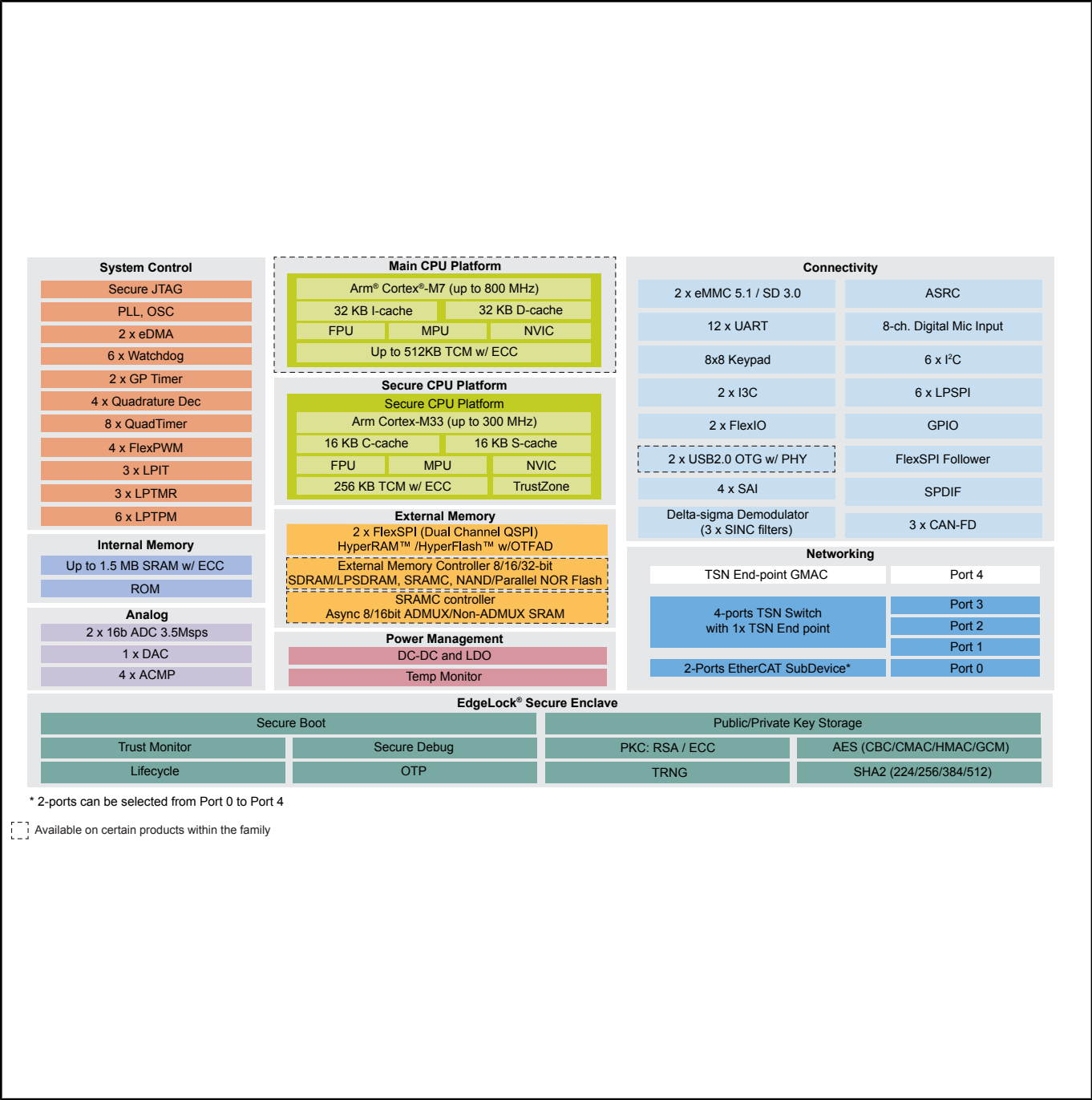
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i.MX RT1180 跨界MCU是双核实时微控制器(MCU)，采用Arm® Cortex®-M7和Arm® Cortex®M33内核，实现高性能和实时控制功能。i.MX RT1180集成了千兆时间敏感网络(TSN)交换机和EtherCAT SubDevice控制器，非常适合工业应用。

i.MX RT1180 CM7的运行频率高达800MHz，Arm Cortex-M33的运行频率高达300MHz，片上RAM为1.5MB。该系列支持多种协议，实现了实时以太网和工业4.0系统之间的通信桥接。i.MX RT1180还提供先进的信息安全，集成了EdgeLock®安全区域。

i.MX RT1180系列由MCUXpresso developer experience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 RT1180跨界MCU Block Diagram



View additional information for [i.MX RT1180跨界MCU](#)，带TSN交换机和EdgeLock®.

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