i.MX 7Solo Processors – Heterogeneous Processing with Arm® Cortex®-A7 and Cortex-M4 Cores

i.MX7S

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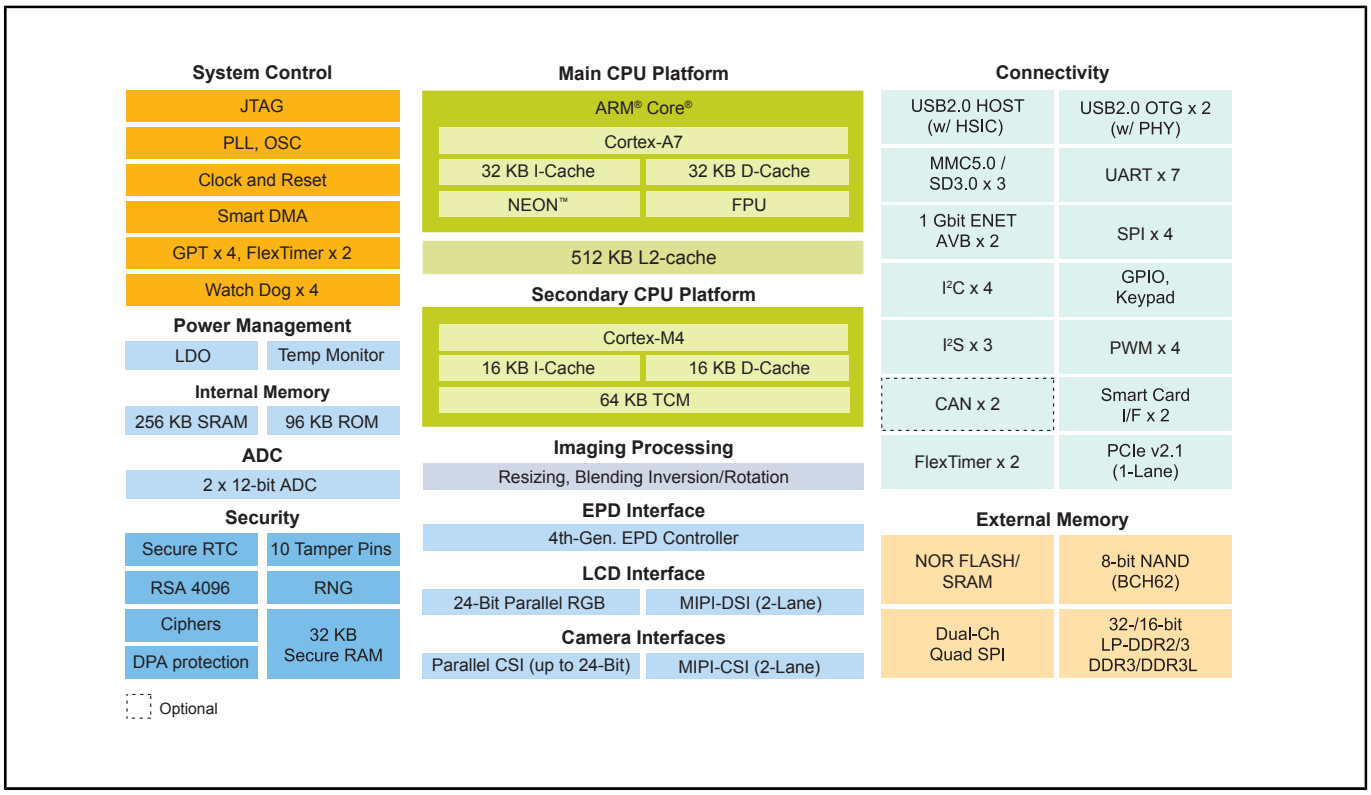
The i.MX 7Solo family of processors represents our latest achievement in high-performance processing for low-power requirements with a high degree of functional integration. These processors are targeted towards the growing market of connected devices. The i.MX 7Solo family of processors features our advanced implementation of the Arm® Cortex®-A7 core, which operates at speeds of up to 1 GHz, as well as the Arm Cortex-M4 core. The i.MX 7Solo family supports multiple memory types including 16/32-bit DDR3L/LPDDR2/LPDDR3-1066, Quad SPI memory, NAND, eMMC and NOR. Several high-speed connectivity connections include Gigabit Ethernet with AVB and USB. Both parallel and serial Display and Camera interfaces are provided.

i.MX 7 applications processors are part of NXP's EdgeVerse™ edge computing platform.

i.MX 7Solo Applications Processors Block Diagram



View additional information for i.MX 7Solo Processors - Heterogeneous Processing with Arm® Cortex®-A7 and Cortex-M4 Cores.

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