LPC860: 32-Bit Arm® Cortex®-M0+-Based Low-Cost MCU with I3C Interface

LPC86X

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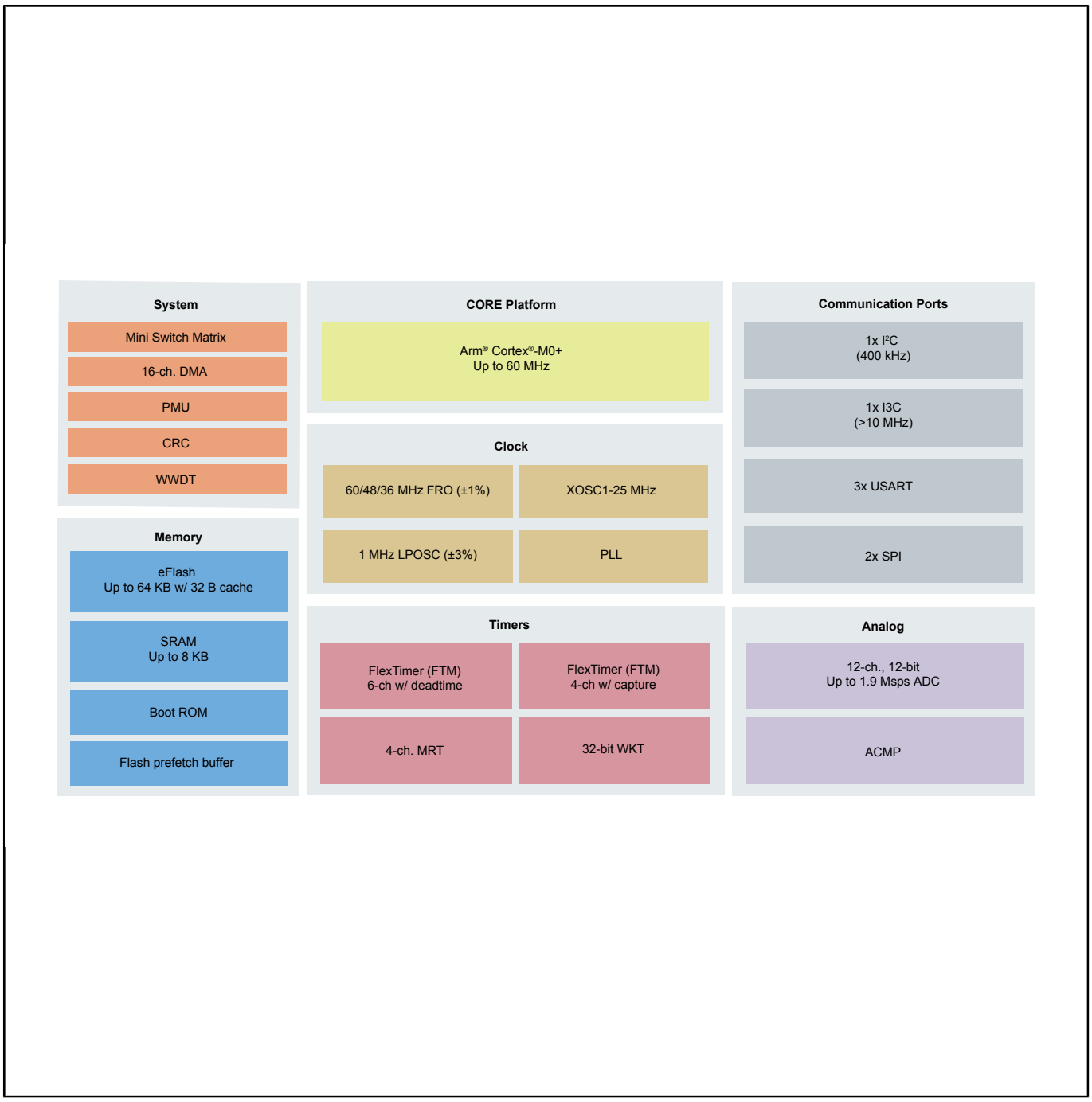
The LPC860 32-bit Arm Cortex-M0+ based cost effective MCUs are designed for Industrial and IoT applications. LPC860 operates at a frequency of up to 60 MHz and supports up to 64KB of flash memory and up to 8 KB SRAM. This family features a power-optimized core, small footprint in popular packages and level shifting options thanks to its separate power rails.

The peripheral complement of the LPC860 includes a CRC engine, I2C-bus interface, I3C-bus interface, up to three USARTs, two SPI interface, one multi-rate timer, self-wake-up timer, two FlexTimer with hardware dead-time insertion and quadrature decoding, one 12-bit ADC, one analog comparator, function-configurable I/O ports through a switch matrix, an input pattern match engine and up to 54 general-purpose I/O pins.

The LPC860 family are supported by the MCUXpresso ecosystem, which includes an SDK, a choice of IDEs, and secure provisioning and configuration tools to enable rapid development.

LPC86x MCUs Block Diagram



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

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