



High-performance, Power-efficient and Cost Sensitive Arm® Cortex®-M0+ MCUs

LPC51U68

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Based on the highly energy-efficient Arm® Cortex®-M0+ core and operating at CPU frequencies of up to 150 MHz, NXP's 32-bit LPC51U68 microcontrollers for embedded applications feature larger memory resources including 96 KB of on-chip SRAM and 256 KB of on-chip flash programming memory with flash accelerator.

NXP's LPC51U68 MCU features added performance, expanded memory resources and flexible serial port configuration, including USB connectivity, bringing design flexibility, computing performance and integration into today's demanding IoT and industrial applications. In addition, this MCU is pin compatible with the LPC5411x and LPC5410x MCU families providing scalability options to Arm Cortex-M4 cores.

LPC51U68 MCU FAMILY BLOCK DIAGRAM Block Diagram



View additional information for [High-performance, Power-efficient and Cost Sensitive Arm® Cortex®-M0+ MCUs](#).

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