

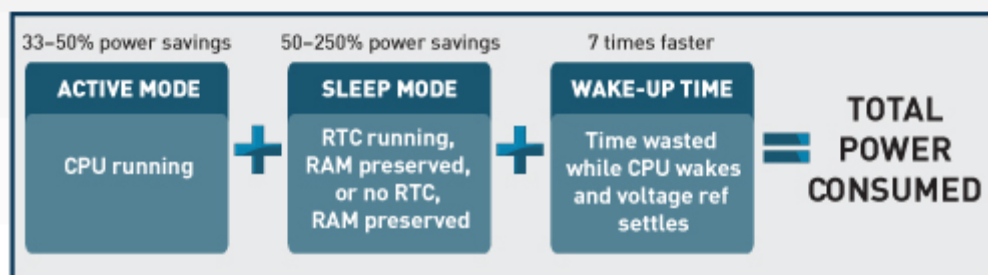
Ultra Low Power Microcontrollers

The C8051F9xx ultra-low power microcontroller product family has been designed from the ground up to be the most power-efficient MCUs in the industry. The end result is a solution that has been optimized to be the industry's best across all metrics necessary to be truly considered "low power": active mode, sleep mode, and wake-up time.

- The F9xx series has the industry's **lowest active mode current consumption** which saves power when the application is running.
- The F9xx series has the industry's **lowest current consumption in sleep modes**, which is often the most common mode in many battery-powered applications.
- Since an MCU cannot do any useful processing until all of the digital and analog circuitry all fully settled and operational, the F9xx series offers the **industry's fastest wake-up and analog settling time**.

Lowest power MCU across all operating modes

Silicon Labs C8051F9xx MCU power savings vs. competitive devices



Low Power MCU Products

Low-Power Family	Flash Memory*	MIPS	RAM	Dig. I/O*	Active/Sleep*	Dev Kit
C8051F90x-91x	16 kB	25	768	16	160 uA/MHz / 50 nA	C8051F912DK
C8051F92x-93x	64 kB	25	4352	24	170 uA/MHz / 50 nA	C8051F930DK
C8051F98x	2/4/8 kB	25	512	16/17	150 uA/MHz / 10 nA	C8051F996DK
C8051F99x	8 kB	25	512	16/17	150 uA/MHz / 10 nA	C8051F996DK
Si100x	32/64 kB	25	4352	19/22	170 uA/MHz / 65 nA	Si1000DK
Si101x	8/16 kB	25	768	15	160 uA/MHz / 25 nA	Si1010DK