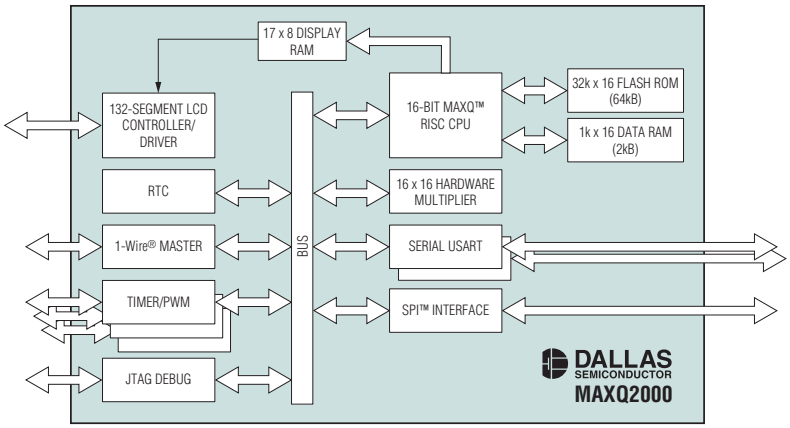
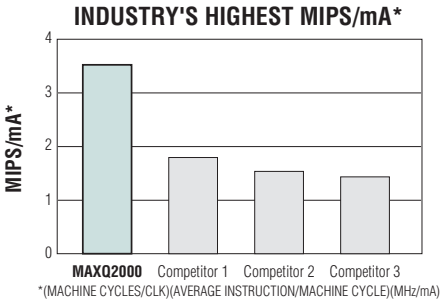
INDUSTRY'S HIGHEST MIPS/mA, 16-BIT FLASH MICROCONTROLLER

The MAXQ2000 microcontroller is designed around an innovative, one-clock/instruction, 16-bit RISC architecture. MAXQ™ technology combines high performance and low power with a variety of complex peripheral functions.





Microcontroller Features

- 20MHz Max Operating Frequency
- Performance Approaches 1MIPS/MHz
- 64kB Flash, 2kB RAM
- 16-Bit Instruction, ALU, and Data Path
- 33 Total Instructions Simplify Programming

Low-Power Features

- <1µA Typical Stop-Mode Current
- 5.1mA Flash Operating Current at 20MIPS

Peripherals

- 2 USARTs, SPI Master/Slave Interface
- Up to 132-Segment LCD Controller
- 16 x 16 Hardware Multiplier with 48-Bit Accumulator
- 32-Bit Binary Real-Time Clock

Tools

- Complete Range of Development Tools Includes C Compiler, ICE, and IDE

For a Detailed Comparison of Normalized MIPS/mA, Visit www.maxim-ic.com/MAXQ

Part	Temperature Range (°C)	Program Memory (kB Flash)	Data Memory (kB SRAM)	LCD Segments	Ext INTS	Package
MAXQ2000-RAX	-40 to +85	64	2	132	16	68-QFN
MAXQ2000-RBX	-40 to +85	64	2	100	14	56-TQFN

MAXQ is a trademark of Maxim Integrated Products, Inc., and 1-Wire is a registered trademark of Dallas Semiconductor Corp.
SPI is a trademark of Motorola, Inc.

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