The 8-bit MC9S08JM16 device further extends Freescale's entry-level 8-bit embedded USB controller family with up to 16 KB of flash memory, a full-speed USB 2.0 device controller and an eight-channel, 12-bit analog-to-digital converter. The S08 JM family also has several system protection features, such as low voltage detection and a computer operating properly (COP) module.

The MC9S08JM16 device is well suited for a variety of industrial control and consumer applications. Such applications include PC peripherals, industrial printers and touch panels.

The MC9S08JM16 devices, like the other USB microcontrollers in the Controller Continuum, are supported by the Freescale USB-LITE Stack by CMX. This complimentary USB stack provides support for certain HID and CDC classes. Source code for the complimentary stack is available.

The MC9S08JM16 is software compatible with other devices in the Controller Continuum, providing a direct migration path to higher performing USB microcontrollers.
For more information about the JM family, please visit www.freescale.com/8bit.

Cost-Effective Demonstration Tools

**DEMOS08JM16**

$79 USD*

Cost-effective demonstration kit featuring the JM16 daughter card. Support for USB full-speed device. Built-in USB-BDM circuitry is available for debugging and programming, serial communication, and simple logic analyzer.

**DC9S08JM16**

$10 USD*

The JM16 daughter card can also be ordered independently to use on the DEMOJM demonstration kit.

**CodeWarrior® Development Studio for Microcontrollers 6.1**

Complimentary**

CodeWarrior Development Studio for Microcontrollers is an integrated tool suite that supports software development for Freescale’s 8-bit or 32-bit microcontrollers. Designers can further accelerate application development with the help of the Processor Expert™ tool, which is an award-winning rapid application development tool in the CodeWarrior tool suite.

**Freescale USB-LITE Stack by CMX**

Complimentary**

Freescale is providing a comprehensive USB software solution through a complimentary USB stack. Freescale USB-LITE Stack by CMX enables USB device modes of operation. The USB stack supports several HID and CDC to UART projects. The complimentary stack also interfaces with CodeWarrior Development Studio, providing a productive, comprehensive development environment for designing embedded applications.

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Learn More:

For more information about the JM family, please visit www.freescale.com/8bit.