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Microchip Launches Lowest Power, Cost-Effective PIC32 Family With Core Independent Peripherals

New PIC32MM Family is Ideal for Internet of Things, Consumer, Industrial Control and Motor Control Applications

CHANDLER, Ariz., June 27, 2016 /PRNewswire/ -- Microchip[®] Technology Inc. (NASDAQ: MCHP), a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, today announced the company's lowest power and most cost-effective family of 32-bit PIC32 microcontrollers (MCUs). The Microchip [PIC32MM family](#) bridges the gap between the company's popular PIC24F XLP and PIC32MX families. The new family is the first PIC32 to feature core independent peripherals, designed to offload the CPU for lower power and lower system design. The PIC32MM devices are supported by the [Microchip MPLAB[®] Code Configurator](#) (MCC) to help simplify and accelerate designs.

Today's embedded applications targeting the Internet of Things (IoT), consumer, industrial control, and motor control require flexible MCUs that consume less power, are more cost effective and have smaller form factors. For applications demanding low power and longer battery life, the PIC32MM has sleep modes down to 500 nA. Applications with space constraints will benefit from the small 4 x 4 mm package options. The PIC32MM devices include core independent peripherals such as Configurable Logic Cells (CLC) and Multiple-output Capture Compare PWMs (MCCPs) which help enable sensorless BLDC motor control applications.

"With volume pricing starting at \$0.60, sleep modes down to 500 nA, and compact 4 x 4 mm packages, the PIC32MM family offers a compelling solution for applications with budget, power and size constraints," said Joe Thomsen, vice president of Microchip's MCU16 business unit. "Supported by the popular MPLAB Code Configurator tool, these PIC32MM devices are easy to set up, accelerating design schedules for rapidly changing markets."

Development Support

To help accelerate evaluation and development, a new [PIC32MM processor plug-in module](#) is available (MA320020, \$25), which plugs into the [Explorer 16 Development Board](#) (DM240001, \$129.99). The entire family of PIC32MM devices is supported by the Microchip professional tool ecosystem that includes MPLAB X IDE and XC32 compiler. The MPLAB Code Configurator, a plug-in to MPLAB X IDE, helps with easy peripheral setup, device configuration and pin mapping.

For a limited time, if you buy a PIC32MM PIM (MA320020) for \$25, you can get an Explorer 16 board (DM240001) for \$89.99, a \$40 savings. Visit www.microchip.com/PIC32MM for details.

Pricing and Availability

The PIC32MM family is available in mass production today in 20-pin QFN and SSOP; 28-pin uQFN, QFN, SOIC, SSOP, SPDIP; 36-pin QFN; and 40-pin uQFN packaging. Devices are available in 16 KB, 32 KB, and 64 KB Flash variants, with volume pricing starting at \$0.60 USD.

For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's Web site at www.microchip.com/PIC32MM.

To purchase products mentioned in this press release, go to [microchipDIRECT](#) or contact one of Microchip's authorized distribution partners.

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About Microchip Technology

Microchip Technology Inc. (NASDAQ: MCHP) is a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical

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