MICROCHIP TECHNOLOGY INTRODUCES
MPLAB®-ICE IN-CIRCUIT EMULATOR

CHANDLER, Ariz., Nov. 3, 1998 [NASDAQ: MCHP] – Microchip Technology Inc., today introduced the MPLAB®-ICE 2000 Universal In-Circuit Emulator (ICE) for its PICmicro® 8-bit RISC microcontroller family, offering full speed, low voltage emulation and visibility into instruction and data paths during execution. With MPLAB-ICE's higher-performance emulation capability, Microchip offers a comprehensive in-circuit emulator tool suite to support its PICmicro microcontroller family.

MPLAB-ICE joins Microchip's PICMASTER®, a sophisticated development system that provides real-time in-circuit emulation capabilities, and ICEPIC, an affordable, entry-level development system. MPLAB-ICE 2000 is a high-end, full-featured emulator system. It is small, portable and lightweight, while at the same time offering improved performance and value.

Features

The new MPLAB-ICE emulator offers real-time in-circuit emulation to maximum speeds of up to 33 MHz and emulation down to 2.0 volts. MPLAB-ICE 2000, which is CE compliant, features full speed emulation, low voltage operation, software configurable voltage and clock, parallel port interface, interchangeable processor modules and device adapters, and unlimited software breakpoints. MPLAB-ICE 2000 also includes sophisticated trace analysis, complex breakpoints, the ability to monitor internal registers and a 32K by 128-bit trace. Using MPLAB-ICE can reduce development and debugging time, enhancing productivity and reducing time-to-market.

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ADD ONE – MPLAB-ICE IN-CIRCUIT EMULATOR

The emulator system runs on the Windows®-based MPLAB Integrated Development Environment (IDE), which gives developers the capability to edit, compile and emulate all from a single user interface. The MPLAB desktop provides the development environment and tools for developing and debugging applications as a project, allowing quick movement between different development and debugging modes. Additional MPLAB-ICE components include an emulator pod, a processor module, a device adapter, optional transition sockets, and complete documentation including the Microchip CD-ROM Technical Library.

Development Tools

MPLAB-ICE is Microchip's latest advancement in providing highly sophisticated development tools to support its PICmicro architecture. Various development tools offered by Microchip include the PICMASTER and ICEPIC in-circuit emulators; PRO MATE®II Universal Device Programmer; MPLAB-C17 C Compiler—a high-end compiler for the PIC17CXXX family; PICSTART® Plus entry-level Development Tool, MPASM Assembler, SIMICE Simulator Software and *fuzzy*TECH®-MP fuzzy logic tools. More than 125,000 development systems are installed around the world, making the line the second most popular 8-bit microcontroller development tool suite in the industry. In addition, more than 125 third-party vendors offer development systems based on the PICmicro architecture.

Pricing

MPLAB-ICE 2000 is available for $1,995. PICMASTER is being offered at a reduced price of $999 and ICEPIC is available for less than $635. For more information, contact any Microchip sales representative, authorized worldwide distributor or www.microchip.com.

ADD TWO – MPLAB-ICE IN-CIRCUIT EMULATOR

Microchip Technology Inc. manufactures the PICmicro™ family of 8-bit RISC-based microcontrollers—with OTP, Flash, and ROM memory technologies; serial EEPROMs and related specialty memory products; and KEELOQ® code hopping devices. These products target thousands of embedded control applications in the consumer, automotive, office automation, communications and industrial markets. Microchip's quality systems are ISO 9001 certified. Headquartered near Phoenix in Chandler, Ariz., Microchip employs approximately 2,200 people worldwide and has sales offices throughout Asia, Europe, Japan and the Americas.

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