High-End Emulator with Unbeatable Features

Microchip Third-Party Partner

The Phyton line of emulators helps programmers complete their projects on-time and under budget, offering them quality products at competitive values. With Phyton's 1-year warranty, developers are assured that they will have the assistance that they need during development time.

- Real-time, non-intrusive emulation of the 12/16/17/18 series of Microchip PICmicro™
- Uses bond-out chips from Microchip for accurate emulation up to 40 MHz*
- Up to 128K Bytes of program memory*
- Up to 128K Bytes of external data memory*
- Finest memory mapping with one byte resolution
- Up to 128K of true hardware breakpoints on code memory address access
- Up to 256K of true hardware breakpoints on access to external data memory (128K read, 128K write)
- Up to 8K of true hardware breakpoints on access to internal data memory (4K read, 4K write)
- Four complex breakpoints and triggers
- 16K frames x 128-bit real-time tracer with programmable filters and forward, reverse and dynamical modes of trace recording
- Transparent on-the-fly access to the code memory, shadow memory, breakpoint processor, tracer and timer
- 48-bit timer provides timing and clock frequency measurement with 0.1% accuracy
- Precisely programmable clock generator - from 5KHz to 40 MHz* with 0.5% accuracy
- Programmable regulator precisely auto-adjusts to the target's voltage level and allows working alone at 2.0V to 5.5V settable with +/-20 mV accuracy
- 8 probe inputs and 4 trigger outputs

- High speed host link via 115 KBPS serial port opto-isolated for extra protection
- Precisely centered "sandwich"- style design based on the universal MR1 main board, changeable PODs and adapters for DIP, PLCC, QFP, SO and other packages
- Tiny tool - 3-1/2" x 2-1/2" x 2" (95 x 65 x 50 mm)
- Windows 95/98/2000/NT hosted Project-MC IDE includes all the tools necessary for a full development cycle from editing source code to "burning" a target PIC™ or an EPROM device
- Project IDE includes an editor, a project manager, the PASM-MC macro assembler, and optionally the PDS-MC software debugger/simulator
- Source-level debugging for C compilers and assemblers from Microchip (MPLAB-C™), Hi-Tech, IAR Systems, Byte Craft, CCS
- Project-level support for the Hi-Tech C compiler and embedded PASM-MC micro assembler
- Embedded C-like script language for automated testing and custom commands
- Universal programmer ChipProg+ supporting all PICmicro™ devices can be controlled from the same IDE (optional item)

* May vary for particular PICmicro™ derivatives. Visit our website http://www.phyton.com or call us to get detailed information.

** Visit our website http://www.phyton.com to get the latest software update and to see the latest list of supported devices.

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Phyton offers a complete development tool solution for virtually all PICmicro™ microcontrollers produced by Microchip Technology, Inc.
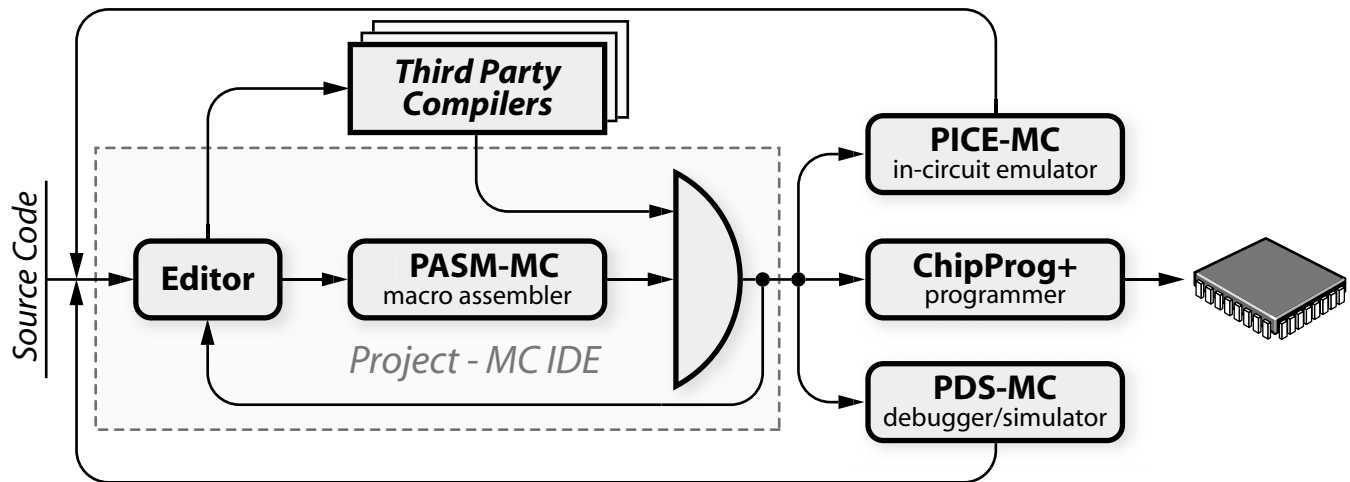
A full Project-MC package includes the PASM-MC macro assembler, PDS-MC software debugger/simulator, PICE-MC in-circuit emulator and ChipProg+ universal programmer integrated under control of the project IDE. This tool set provides a complete development cycle, from editing source texts, to getting debugged code, and "burning" it into a target microcontroller or a memory device. Popular third party C compilers can be bundled with the Phyton tools in the Project-MC package. You can select only those tools you need and order the configuration that fits your needs and your budget.