



## Cool ICE for CoolRISC™ microcontrollers from XEMICS

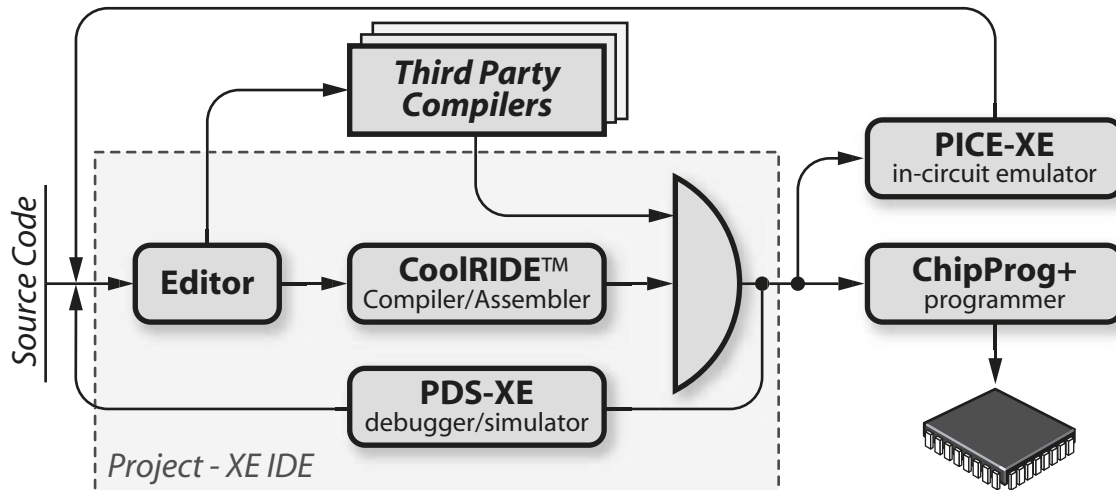


*The only emulator  
for XE8000 family!*

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 XE8000 family of CoolRISC™ microcontrollers
  - Uses XEMICS bond-out chips for accurate emulation up to 60 MHz\*
  - Up to 256K of 22-bit words of program memory\*
  - Up to 256K Bytes of data memory\*
  - Up to 256K of true hardware breakpoints on code memory address access
  - Up to 256K of true hardware breakpoints on data memory access (read, write and read/write)
  - Four complex breakpoints and triggers
  - 16K frames x 120 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 1KHz to 60 MHz\* with 0.5% accuracy
  - Programmable regulator precisely auto-adjusts to the target's voltage level and allows working alone at 1.2V 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 QFP, SO and other packages
  - Tiny tool - 3-1/2" x 2-1/2" x 2" (95 x 65 x 50 mm)
  - Windows 98/ME/2000/NT/XP hosted Project-XE IDE includes all the tools necessary for a full development cycle – from editing source code to "burning" a target microcontroller
  - Project IDE includes an editor, a project manager, a full set of the XEMICS CoolRISC™ cross tools and PDS-XE command set simulator/debugger
  - Project-level support and source-level debugging for the XEMICS CoolRISC™ GNU C compiler and assembler supplied with the emulator
  - Embedded C-like script language for automated testing and custom commands
  - Universal programmer ChipProg+ can be controlled from the same IDE (optional item)
- \* May vary for particular XE8000 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.
- CoolRISC™ is a registered trademark of XEMICS S.A.
- © Copyright 2001 Phyton, Inc. All rights reserved.

Phyton is the only company in the world to offer a complete development tool solution for selected types of the CoolRISC™ microcontrollers produced by XEMICS S.A.



A full package includes the CoolRIDE™ compiler kit produced by XEMICS and Phyton tools - PDS-XE software debugger/simulator, PICE-XE 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.