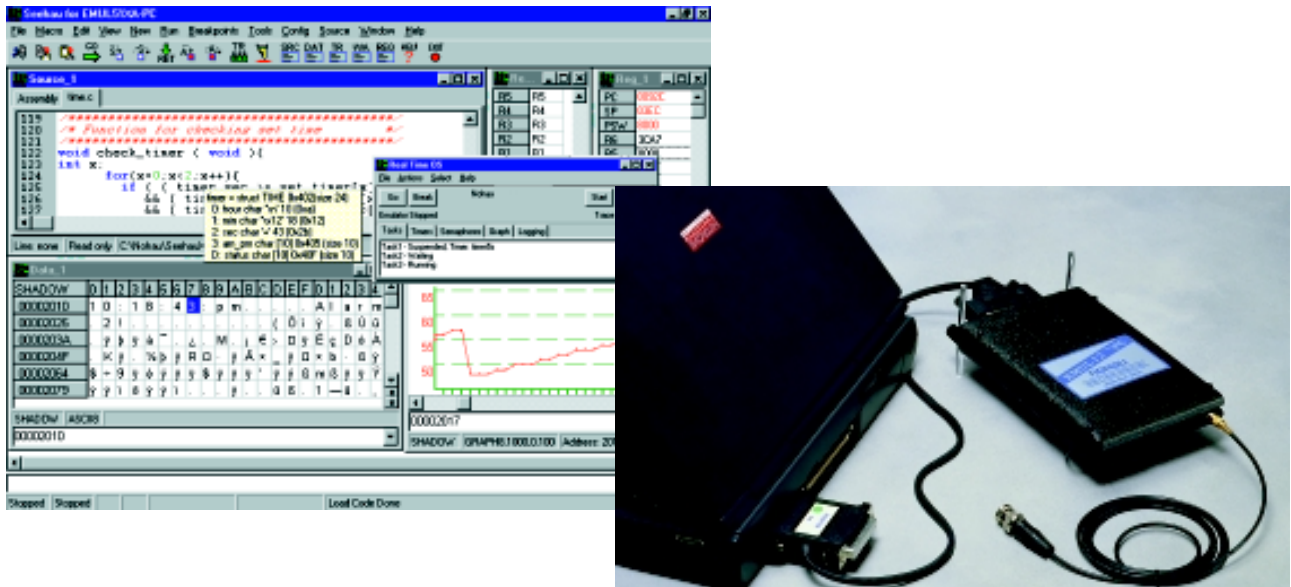# EMUL-XA-PC
In-Circuit Emulator

Key Benefits

- Philips P51XA-C3, G3, G49, S3, SCC, H3, H4 are supported. The C3 and G3 are also known as C37 and G37 respectively.
- Full feature ICE. From 16 to 32 MHz. No CPU cycle stealing.
- Seehau advanced GUI: Windows 95, 98, NT and 2000.
- Compact two board advanced design. This portable, handheld emulator goes anywhere your laptop can.
- Connects through an ISA card or a LPTx port.
- Optional 128K or 512K trace board can be added later.
- Supports all major C Compilers.
- Shadow RAM for real-time memory viewing at any clock speed.
- Trace and triggers are viewed and modified in real-time & "on-the-fly". No CPU cycles are stolen for these operations.
- Emulation memory granulation is 16 bytes. 256K to 2 Mbyte.
- Sophisticated conditional triggers find specified events quickly.
- Made in the USA. Sold and supported everywhere.

Product Description

The EMUL51XA-PC In-circuit emulator family now supports the entire XA family of microcontrollers. It is a full featured, full speed emulator using Nohau's advanced design techniques. The emulator consists of an emulation board and a compact trace board which can be added later. The emulator is a hand held pod that is self contained. The emulator communicates with the PC through the parallel port or an ISA card. Seehau, the Nohau user interface for Windows, provides exceptional HLL debugging.

Emulation Memory and Shadow RAM

The emulator has up to 1M of code memory and up to 1M of data memory depending on the model. The granularity is 16 bytes offering mapping around nearly any peripheral address. Shadow RAM displays data writes in real-time. The data can be displayed in many useful numerical and graphical formats, also in real-time.

Single Chip and External Modes

Nohau supports the XA family for both external mode (ROMless) and internal mode (internal ROM). Nohau pods contain a special Philips bondout chip for access to the internal address and data bus while leaving all ports intact and available for use.

The emulator can operate stand-alone allowing debugging before your hardware is available. Adapters are available to connect to nearly any target board.

Breakpoints

Both software and hardware breakpoints are provided. Breakpoints do not skid to the next instruction and are unlimited in number.

Trace Memory and Triggers:

Trace memory and the triggers are configurable and viewable without stealing CPU cycles. Full pipeline decoding ensures only executed instructions and data r/w cycles are used - no false triggers.

Triggers can be set on both addresses and data ranges. Trace and triggering can record all internal code and external code and data accesses: and in genuine real-time without stealing CPU cycles.

The EMUL51XA-PC is supported everywhere with a world wide network of offices. Visit the Nohau web site or contact Nohau today for the name of your local Nohau representative.

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ICE Technology	Tel: (800) 686-6428
422 Peninsula Ave.	Tel: (650) 375-0409
San Mateo, CA 94401	
Email: sales@icetech.com	www.icetech.com