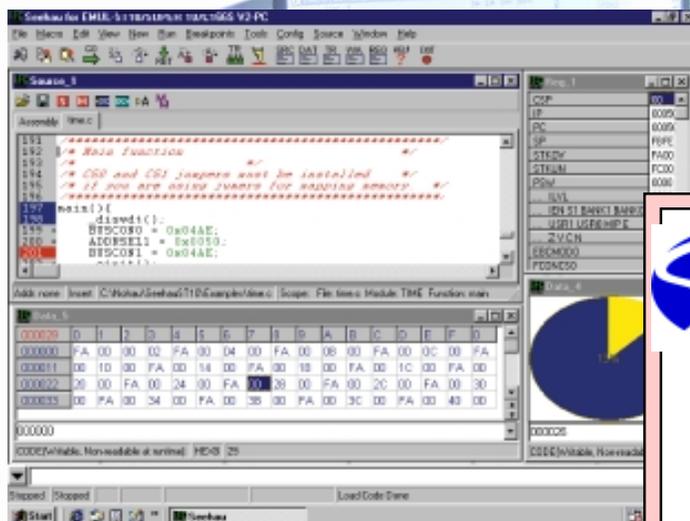


# EMUL-Super10-PC

## In-Circuit Emulator



### Key Benefits

- ◆ Supports the STMicroelectronics Super10 microcontroller.
- ◆ Up to 100 MHz real-time operation.
- ◆ Advanced ST bondout chip is used for transparent RAM or ROM emulation with no CPU cycle stealing.
- ◆ Compact two board advanced design goes anywhere you go.
- ◆ Connects through an ISA card or LPTx port.
- ◆ Shadow RAM for real-time memory viewing.
- ◆ Trace and triggers are viewed and modified in real-time & “on-the-fly” without stopping or slowing your target.
- ◆ The optional Trace board can be added later.
- ◆ Software memory mapping granulation is only 32 bytes (to 30 MHz) or use the bondout chip selects to 100 MHz. 256K and 1 Mbyte emulation RAM models are available.
- ◆ Developed and Made in the USA.
- ◆ SeeHau User interface for Win 95, 98, NT and 2000.
- ◆ Sophisticated conditional triggers: 4 levels plus MAC triggers.

### Product Description

Nohau refines its ST10 family offerings with a new leading edge emulator. The advanced EMUL-Super10-PC increases emulation speed to 100 MHz. It supports all Super10 derivatives. For more support, investigate the Nohau EMUL-ST10/FA-PC which supports all previous ST parts to 100 MHz. Only Nohau offers such high emulation speeds for the entire ST10 family.

The EMUL-Super10-PC uses a compact two-board design for decreased weight. One board contains the bondout controller, adapter connections and support logic. The second board is the optional Trace Memory which includes Shadow RAM and Triggers.

Nohau uses advanced FPGA and software design to give you superb debugging power and flexibility to find those bugs quickly.

### Trace Memory and Triggers (optional)

The trace memory and triggers can be configured and viewed without intrusion into real-time emulation. This is accomplished using a dedicated 25 MHz housekeeping controller rather than stealing cycles from the emulation CPU.

Full pipeline decoding ensures only executed instructions and data read/writes are captured and no false triggering occurs. Source and assembly code is displayed in the trace window with other data.

### Breakpoints, Shadow RAM and Real-time

Unlimited software and 40 hardware breakpoints are offered. The Shadow RAM allows viewing memory contents on-the-fly using super fast pipeline injection techniques. The RAM can be displayed in various graphical and data formats. The emulator offers genuine real-time operation. It does not steal cycles from the bondout controller to perform basic housekeeping routines.

### Internal and External Modes: Emulation Memory

The bondout controller provides emulation for both ROM and ROMless devices. Emulation memory comes in 256K and 1M versions with a granularity of 32 bytes and is software configured. The EMUL-Super10-PC is Made in the USA and supported everywhere. Call Nohau today for your local representative or visit our website at [www.nohau.com](http://www.nohau.com) for further information.

# NOHAU

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