Logic Analyzers/Emulators

LA/Emulator Suppliers

- American Arium
- Biomation
- Hewlett–Packard
- Tektronics
- Embedded Performance, Inc.

Logic Analyzers

American Arium ML4400

American Arium
ML4400

MIPS® Processors Support: R3000®, R3051™

Features:

- 200 MHz State Analysis, 1 GHz Timing Analysis
- 360 Data Channels, 128K deep trace memory
- ROM emulation; Dynamic cache enable/disable
- Full Disassembly; Symbolic Debug (10K symbols)
- Performance analysis with histograms and statistics

Contact:

American Arium
14281 Chambers Road, Tustin, CA 92680
714–731–1661, 714–731–6344 FAX

Logic Analyzers

BIOMATION CLAS 4000

Biomation, Inc.

CLAS 4000 Family Logic Analysis Systems

MIPS® Processors Support:

R3000®, R3051/2/81™, LR33000, PR3400 (others by request)

Features

- Full speed data capture
- Single connection Processor Attachment
- Disassembly with symbolic display
- Simultaneous multiple microprocessor support
- Long trace memory to 2 Msamples of instructions
- Processor specific triggering and selective capture

Contact:

West (408) 434–2210 Japan 3–5688–6800

Logic Analyzers

HP Preprocessor

Hewlett Packard

Preprocessor

MIPS® Processors Support:

R3000A, R3041™, R3051™ LR33000, LR33020, LR33050
R4000®PC, R4400™PC, R4200™

Features

- Reliable, repeatable probing of the chip at full speed in target system
- Time interval resolution to 2 ns
- Analog measurements with an integral 1 GSa/s oscilloscope
- Integration of code flow, timing waveforms and oscilloscope waveforms onto a single display
- Graphical human interface

Contact:

Local HP Sales Office

Logic Analyzers

Tektronix DAS, TLA500

Tektronix

DAS,TLA500

MIPS® Processors Support:

R3000®/R3000A, R33000/R33050, R3051™/R3052™/R3081™, R4000®PC/SC/MC, R4400™PC/SC/MC, R4600, R4200™

Features:

- Real–time execution trace to 512K bus cycle depth
- Easily monitors & correlates multiple processor traces
- High–speed timing analysis with full bus–form display
- Disassembly setup (channel naming/grouping/clocking) software
- Hardware Breakpoints
- Performance Analysis
- Stand–alone or network–via–X–server operation
- Symbolic address display & triggering (5000 symbols)

Contact:

Gary Richmond
503–627–1968, 503–627–2009 FAX, Gary.K.Richmond@Tek.Com

Emulators

EPI Sys–R3051

Embedded Performance

SYS–R3051

MIPS® Processors Support: IDT R3051™, R3052™, R3071™, R3081™, R3041™

Features:

- DOS/386, MS Windows and SUN–4 Hosts
- Up to 33 MHz bus speed (Includes 3081 @ 50 MHz in half–bus mode)
- Build–in Memory tests and up to 4M bytes of Optional Overlay Memory
- Ethernet or serial interface to host computer Downloads up to 3M bytes/min.
- Accepts COFF, ECOFF, and S–record object files.
- Full speed trace using the same sampling rules as the processor
- Up to 32K Trace Frames at full execution speed
- Trace displayed in 1s and 0s or Disassembled with interleaved source lines
- Breakpoint and single step through ROM and exception handlers
- Dynamically controls reserved debugger pins
- Simulates interrupts and co–processor inputs
- Bundled with a powerful symbolic assembly–level debugger
- Available 'C' source–level debugger with windowed interface
- designer–to–designer support

Contact:

David Johnson
Embedded Performance, Inc., 1860 Barber Lane, Milpitas, CA 95035
(408) 434–2210, (408) 935–7970 FAX, email: sales@episupport.com