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ANCOT CORPORATION

Ultra2080

Ultra2 SCSI Bus Analyzer



FEATURES

- Full support for SCSI-3 Ultra2 (80MB/s transfer rate)
- LVD, HVD and SE interfaces
- Time resolution of 4 nanoseconds (REQ/ACK)
- Supports both WIDE (16-bit) and NARROW (8-bit)
- SCAM protocol and tagged queuing support
- Powerful high-level trigger
- Command profile analysis
- SCSI initiator emulator option
- Ultimate portability in an elegant rugged brushed-aluminum briefcase package
- New, easy-to-use graphical user interface
- Built-in color screen and keyboard
- 10/100Mb Ethernet interface for fast data transfer and remote control

The new Ancot Ultra2080 is the premier tool for debugging and optimizing SCSI devices and systems. Built on the success of the industry-leading Ancot Ultra2000, the Ultra2080 provides high performance, hardware-based trace capture, filtering and triggering capabilities.

With a timing resolution of 4 ns, the Ultra2080 is fully capable of capturing and displaying all SCSI bus activity at Ultra2 speeds of 80 MB/s. Large trace memory (up to 524,000 events), initiator emulation, 10/100 Mb Ethernet data transfer, internal hard drive, and a simple pull-down menu interface combine to make the Ultra2080 the new industry standard for high-performance SCSI analyzers.

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Ultra2080 SCSI Bus Analyzer

Ancot's new Ultra2080 SCSI Bus Analyzer provides a powerful tool for developing, debugging and optimizing SCSI systems and devices. By capturing and displaying SCSI traffic, including all commands and data, the Ultra2080 shows the user a complete and easy-to-understand picture of SCSI bus activity.

The Ultra2080 is an essential tool for developing device drivers and firmware for SCSI devices and host bus adapters. By providing a direct view of bus activity, the Ultra2080 enables engineers to quickly locate sources of problems and ensure compliance with all specifications.

The Ultra2080 is also an aid to system integrators, to ensure quick identification of problems and to help optimize performance of SCSI devices in heavily-loaded and high data rate environments. The Ultra2080 is the simplest and easiest way to identify the source of bus hangs, device errors, timing mismatches and a host of other potential problems.

SYSTEM SPECIFICATIONS

SCSI Interfaces

- SCSI-3, SCSI-2 and SCSI-1 protocol support
- Low Voltage Differential (LVD), Single-Ended (SE) and High-Voltage Differential (HVD)
- WIDE (16-bit) and NARROW (8-bit) data paths
- Synchronous and Asynchronous

Capture Capabilities

- Data capture rates to 80 MBytes/s (40 MHz, 16-bit)
- Capture all four REQ/ACK edges at full 80 MB/s rate
- 4 ns resolution for REQ/ACK and timestamps
- Three models: 132,000, 262,000 and 524,000 events
- Passive, event-driven recording

User Interface

- Simple "Run-Stop-Display" control via one-touch keys
- Graphical user interface with pull-down menus
- Integrated color TFT screen for data display
- Integrated keyboard (ports for ext. keyboard and mouse)
- Full remote control capability from any host

Display Formats

- High-level command display
- Waveform display of all timing data
- Low-level display of control/data
- Hexadecimal display of control/data traffic
- Simple one-key flip between display modes

Trigger and Filter Controls

- Trigger on parity errors, SCSI resets, selection IDs, timeouts, message/command status codes, external events, and combinations of events
- Filter based on SCSI ID, phase changes, save or skip data, 1/2/4 REQ/ACK edges

Standard Features

- 8.4" color flat panel (TFT) display (640x480 resolution)
- 73-key AT-compatible built-in keyboard
- Two 68-pin female connectors for LVD/SE interface
- Two 68-pin female connectors for HVD interface
- External trigger and sync BNC connectors
- Internal 0.5GB hard disk drive for saving traces or setups
- Connectors for parallel printer/external FDD, external keyboard, mouse, RS-232 serial, RJ-45 Ethernet
- LED indicators for power, SCSI activity, trace active, disk active, TRMPWR, SE, LVD and HVD
- SCSI reset and system reset pushbuttons
- 110-240 VAC 50-60 Hz auto-ranging
- Elegant brushed-aluminum briefcase
- Dimensions: 16.75" x 12.5" x 4.5" / 42 cm x 32 cm x 11 cm
- Weight: 12 lbs / 5.5 Kg

Options

- SCSI initiator emulation: Execute menu-driven single keystroke commands. Build and save command strings as macros. Runs independently of analyzer functions.
- External floppy disk drive

Warranty

- Three years, 100% coverage of all parts, labor and technical support



Specifications subject to change without notice.

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