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Ultra2160

Ultra3 SCSI Bus Analyzer



FEATURES

- Full support for SCSI Ultra3 (160 MBytes/sec transfer rate)
- Full support for Ultra160/m specifications
- Deep trace memory (up to 32 million events)
- Double-clocked time resolution of 4 nsecs (REQ/ACK)
- Remote control via Ethernet and Internet networks
- 10/100Mb Ethernet interface for fast data transfer and remote control
- New high-speed WarpSearch™ hardware search engine
- LVD, HVD and SE interfaces, both WIDE and NARROW
- Tagged queuing support, command profile analysis and legacy SCAM protocol support (SCSI-1 and SCSI-2)
- Ultimate portability in an elegant rugged brushed-aluminum briefcase package
- Easy-to-use graphical user interface, built-in full color screen, built-in keyboard and internal 4.2 GB hard drive

The new Ancot Ultra2160 is the premier tool for debugging, repairing and optimizing SCSI devices or systems. The Ultra2160 supports all Ultra3 and Ultra160/m features, including both ST (single transition) and DT (double transition) data transfers, CRC, domain validation, packetized SCSI, parallel protocol request (PPR) and Quick Arbitration and Selection (QAS). Built on the success of the industry-leading Ancot Ultra2080, the Ultra2160 increases trace memory up to 32 million events, adds the powerful WarpSearch hardware search engine and enables complete remote control and operation over Ethernet and Internet networks from any host computer (via your browser).

With a double-clocked timing resolution of 4 ns, the Ultra2160 is fully capable of capturing and displaying all SCSI bus activity at Ultra3 speeds of 160 MB/s even under less-than-optimal conditions. Deep trace memory, hardware search, network connectivity, internal hard drive, and a simple pull-down menu interface in a convenient briefcase package combine to make the Ultra2160 the new industry standard for high-performance SCSI analyzers.

Ancot's new Ultra2160 SCSI Bus Analyzer provides a powerful tool for developing, debugging, repairing and optimizing SCSI systems and devices. By capturing and displaying SCSI traffic, including all commands and data, the Ultra2160 shows the user a complete and easy-to-understand picture of SCSI bus activity.

The Ultra2160 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 Ultra2160 enables engineers to quickly locate sources of problems and ensure compliance with all specifications.

The Ultra2160 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 Ultra2160 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

Full Ultra3 and Ultra160/m support, including DT transfers, CRC, domain validation, packetized, PPR and QAS

Capture Capabilities

Data capture rates to 160 MBytes/s (80 MHz, 16-bit)

Capture all four REQ/ACK edges at full 160 MB/s rate

4 ns time resolution for REQ/ACK and timestamps; data capture precision exceeds Ultra3 specifications

Four models: 4, 8, 16 and 32 million 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 flat panel TFT screen for data display

Integrated keyboard (ports for ext. keyboard and mouse)

Full remote control capability from any host (using browser) over Ethernet and Internet networks

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, 1/4 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 4.2 GB 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

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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