Universal Serial Bus (USB)

The Voyager M3i is LeCroy's 8th generation USB protocol verification system designed for the next evolution of universal serial bus known as SuperSpeed USB. Leveraging LeCroy's extensive expertise in high-speed serial data analysis, the Voyager provides 100% accurate protocol capture of both USB 2.0 and 3.0 at data rates up to 5 Gbps.

USB Advisor™ T3 Analyzer

The USB Advisor T3 protocol analyzer is an inexpensive, small form-factor, but full featured analysis system for those testing USB 3.0 and USB 2.0 devices. It captures, displays, and analyzes bus traffic using the CATC Trace display software. It automatically highlights protocol errors while displaying a chronological list of packets with full decoding of USB device classes.

USB Mobile™ T2 Analyzer

The USB Mobile T2 is the industry's smallest, most affordable hardware-based USB 2.0 protocol analyzer family that combines the defacto standard CATC Trace display with powerful analysis features. The USB Mobile fits into a single PCMCIA slot in a laptop computer yet provides much of the same lab quality protocol analysis offered in top-of-the-line USB analyzers.

USB 3.0 Test Suites

LeCroy is the only company that offers a complete line of USB 3.0 test solutions covering transmitter test to protocol test, and every step in between for comprehensive verification, debug and compliance, through our complete line of oscilloscopes, receiver test and protocol test solutions. See www.lecroy.com for more information on USB 3.0 bundles.

Double Data Rate (DDR) SDRAM

The LeCroy Kibra™ 480 is a stand-alone protocol analyzer that provides comprehensive DDR3 and DDR4 JEDEC timing analysis. Sitting in-line on a live system, the analyzer uses a proprietary probe implementation to allow loss-less capture of high speed DDR transactions while automatically identifying timing and protocol violations.

Kibra™ 380 DDR3 Protocol Analyzer

The LeCroy Kibra™ 380 is a stand-alone DDR3 protocol analyzer that provides comprehensive DDR3 bus and JEDEC timing analysis. Small and portable, the Kibra 380 is controlled over USB using any Windows-based PC and offers state and timing waveform displays to allow fast debugging of DDR3 systems and memory controllers.

IEEE 1394 (Firewire)

LeCroy’s FireInspector IEEE 1394 Bus & Protocol Analyzer / Exerciser dramatically speeds “time to market” and simplifies complex development projects with its intuitive CATC Trace display of bus traffic. Advanced analysis features include a tree-structured topology view that updates dynamically with CSR and connection speed information.

Embedded Instruments

The LeCroy IOTA Software Suite is designed to work with Intel’s next generation processors, bringing LeCroy’s world class protocol viewing and intuitive user interface to internal trace data from various sources as defined by Intel. The internal trace data is extracted from the system using the Intel provided pod and is fully decoded, time correlated and viewed using LeCroy’s IOTA Software Suite advanced visualization and analysis software.

For more information, please contact:

Specifications, prices, availability and delivery subject to change without notice.
The Sierra M6-4 SAS/SATA test solutions support data rates up to 6 Gb/s, and provide analysis, traffic generation, emulation, error injection, and compliance test capabilities in one flexible platform. The Sierra product family sets new standards for performance while incorporating a complete set of features in a single, economical system.

The Sierra M6-2 system provides an economical alternative to the industry-leading Sierra M6-4 for customers that require only 1 or 2 SAS/SATA ports. While providing all of the traffic generation, emulation, error injection, and compliance test capabilities of the M6-4, the Sierra M6-2 delivers this in a more compact package with significant cost savings.

The Sierra M6-1 Analyzer models are ultra-portable single port systems capable of operating at 1.5, 3 or 6 Gb/s SAS or SATA data rates, and equipped with 2 or 4 GB of memory. Sierra M6-1 Analyzers are software compatible with the LeCroy SAS/SATA Protocol Suite, and offer world class analysis or error injection at price points within reach of every budget.

The Sierra M6-1 InFusion model performs as a stand-alone 1.5, 3, 6 Gb/s error injector, allowing engineers to modify traffic in order to verify real-world fault-handling. The Sierra M6-1 InFusion is software compatible with the LeCroy SAS/SATA Protocol Suite and is the ideal tool for stress testing systems while running real traffic and actual workloads.

The STX A6-4 is an affordable, full-featured protocol analyzer that supports SAS and SATA up to 6 Gb/s speeds. The STX A6-4 can be configured as a 1, 2, or 4-port analyzer, with trace depth up to 8 Gb, and can also be cascaded with other STX A6-4 units, increasing the number of physical links that can be monitored (up to 32 physical links).

The STX A6-4 Analyzer is the only protocol analyzer that supports SAS and SATA data rates of 1.5, 3, and 6 Gb/s, and provides full data capture on bidirectional lane widths of x1, x2, x4, and x8 (selected using five 16-bit keys). It offers advanced features such as performance monitoring, LTSSM, equalization decoding, and much more. The system supports 1.5, 3, 6 Gb/s SAS or SATA data rates, and is equipped with 2 or 4 GB of memory. Sierra M6-1 InFusions can be licensed to support 2 or 4 recording channels, a maximum of 8 Gb/s or 4 Gb/s and are field upgradable. InFusion error injection (“jammer”) capability is an available option.

The STX A6-4 Analyzer displays SAS and SATA traffic using the de facto standard CATC Trace graphical interface.

Sierra™ M6-4 Protocol Verification System
- 1.5G / 3G / 6G

Sierra™ M6-2 Protocol Verification System
- 1.5G / 3G / 6G

Sierra™ M6-1 Analyzer Systems
- 1.5G / 3G / 6G

Sierra™ M6-1 InFusion Systems
- 1.5G / 3G / 6G

STX A6-4 Analyzer
- 1.5G / 3G / 6G

SierraFC™ M164 Protocol Analyzer
- 10G / 20G / 40G / 80G / 160G

SierraFC™ M8-4 Verification System
- 10G / 20G / 40G / 80G

IB Tracer™ 4X Analyzer
- 10G / 20G / 40G / 80G

The STX A6-4 has been selected by the PCI-SIG as the official compliance test tool for PCI Express 2.0 at PCI-SIG Workshops.

The STX A6-4 Analyzer is the only protocol analyzer that supports SAS and SATA up to 6 Gb/s speeds. The STX A6-4 can be configured as a 1, 2, or 4-port analyzer, with trace depth up to 8 Gb, and can also be cascaded with other STX A6-4 units, increasing the number of physical links that can be monitored (up to 32 physical links).

The STX A6-4 Analyzer displays SAS and SATA traffic using the de facto standard CATC Trace graphical interface.

LeCroy offers the industry’s widest range of PCI Express interposers and probes, including a wide variety of specialty probes designed to make it simple and easy to probe sophisticated high-speed serial designs.