

Analysis Without The Limitations

BusXpert Micro Series USB3.0/2.0 Analyzers



- Record, upload and display USB3.0 and USB2.0 traffic in seconds with Gigabit Ethernet
- Eye-Opener front-end, Tunable RX/TX signalling, and 2ns timestamp resolution for industry's most accurate capture
- Lightweight and compact design for ultra-portability
- Available with up to 18GB of trace buffer

For today's USB developers and integrators, getting to the root of a problem can be especially difficult when there isn't an obvious trigger condition. Troubleshooting is further complicated by ever-climbing storage capacities, data rates, and protocol complexity. Faster and deeper analyzers are needed to keep up. Traditionally, those needing to capture large amounts of traffic have been faced with limited trace buffers, long waits to view the data, slow searches, and slow saving. SerialTek has overcome the old limitations with the BusXpert Series of USB Analyzers. The BusXpert uses advanced technologies such as Hardware Accelerated Gigabit Ethernet (up to 70MB/s), up to 18GB of buffer, pre-indexed and compressed trace data, multiple analysis processors, and instant display of the captured data. The BusXpert also features easy to use triggering, pre/post-filtering, textual search and sequence search, and many different displays of the captured traffic. It's available in a variety of configurations to fit specific needs for buffer size, port-count, protocols, and budget. The BusXpert breaks free of past analyzer limitations and lets users spend more time on development and debug efforts. SerialTek delivers on its promise of **"Analysis Without the Limitations"**.

UNPARALLELED PERFORMANCE

Upload and display traces using:

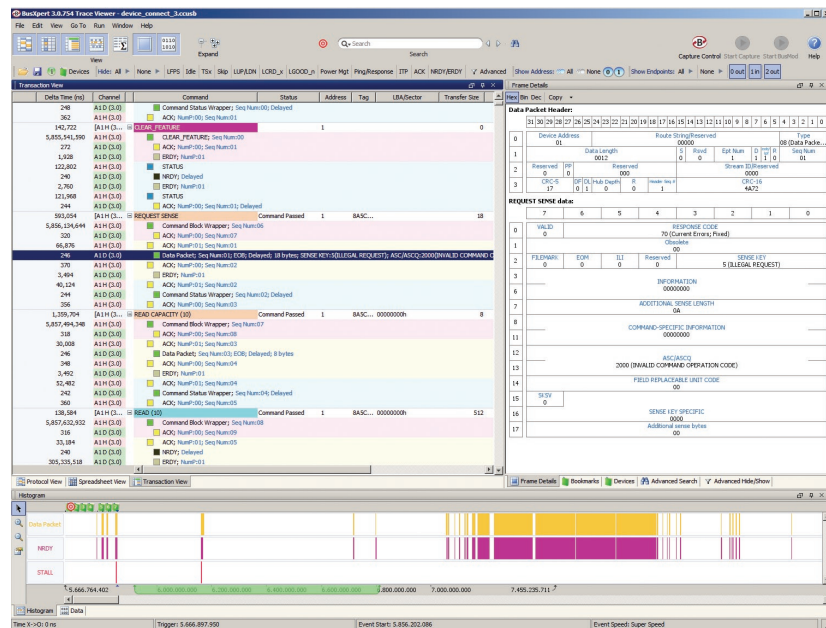
- Gigabit Ethernet > 70MB/s
- Pre-Indexed Trace for faster searching and display
- InstaSearch technology

ACCURATE CAPTURE

- 2ns Timestamp Resolution
- Eye-Opener front end
- Tunable RX/TX signalling

CONVENIENT DESIGN

- Configurable USB3.0 or USB3.0/2.0 or USB2.0 only protocol support
- Up to 18GB of trace buffer
- Lightweight and Compact
- Cascade multiple units (SAS/SATA or USB) for time and event based synchronization
- 9 unique Status LEDs per port
- Future support for Traffic Generation



ADDITIONAL FEATURES

- XML based decoding
- Easy definition of custom decodes
- Status LEDs for
 - Port Active
 - Speed
 - Power
 - SS LFPS
 - Packets
 - Errors
 - 2.0 Susp
 - User defined
- Up to 4 simultaneous trigger sequencers
- Post Filtering / Hiding
- Trace Export to CSV, HTML, XML
- API
- Live/Post Performance Analysis
- Time synchronized view with SAS/SATA Micro Analyzer

SPECIFICATIONS

MICRO

- 19VDC Ext Power Supply
100-240VAC 50-60Hz
- 90W Max Power
- 40 Deg C Max Ambient Temperature
- 6" x 9" x 1.75"
- CE/FCC Approved

Sample Configurations and Part Numbering

The BusXpert USB Micro series are available in several different configurations. Below is a sampling of configurations with part numbers:

Part #	Description
MA-1xSSHS-9GB	BusXpert Micro Analyzer USB3.0/2.0 with 9GB Buffer, Advanced Triggering and Segmented Buffer
MLA-1xSSHS-2GB	BusXpert Micro Lite Analyzer USB3.0/2.0 with 2GB Buffer, Single trigger term, Single Buffer segment
MLA-1xSS-18GB	BusXpert Micro Lite Analyzer USB3.0 SuperSpeed Only with 18GB Buffer, Advanced Triggering and Segmented Buffer

System Requirements

To get the best performance out of your BusXpert Analyzer, we recommend the following systems:

- Minimum configuration: 1.5Ghz Celeron or AMD equivalent processor, 1GB of Memory, Gigabit Ethernet and/or USB, Graphics capable of supporting 1024x768
- Recommended Configuration: 2.8Ghz or greater dual-core processor, 3GB or greater of 1.3Ghz FSB memory, PCIe x4 or ExpressCard slot, Graphics capable of supporting 1920x1200 or greater

BusXpert software is compatible with Windows XP and Windows Vista, Windows 7 32 and 64-bit platforms.

BusXpert is also compatible with Linux: Ubuntu 9.10, Fedora 12, and RedHat/CentOS 5.4.

BusXpert requires minimum of 90MB for installation. Additional disk space is recommended for storing traces.

About SerialTek

SerialTek's experienced team shares a common goal: Design and build the ultimate analyzer platform to eliminate the bottlenecks that keep developers waiting. SerialTek is committed to raising customer expectations with each successive year of innovation.

For additional information or questions regarding SerialTek products, including quotes, product demonstrations, software and technical assistance please contact us at:

sales@serialtek.com

support@serialtek.com

<http://www.serialtek.com>

SerialTek

SerialTek, LLC
1630 Oakland Rd #A117
San Jose, CA 95131
Phone 408.436.8080
Fax 408.436.8098

08/10