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Analysis Without The Limitations

BusXpert Logic Adapter with DEVSLP



Features

- SATA DEVSLP Support
- Simultaneous Serial and Logic Analysis
- 24 Logic Inputs per Adapter
- Adjustable Voltage Threshold
- Works with BusXpert Analyzer and Software
- Self-contained with Built-in Universal Power Supply

Ideal For

- Storage Developers and Manufacturers
- Controller Chip Designers
- Firmware and Software Developers
- Field Applications and Support

The BusXpert Logic Adapter serializes and transmits 24 logic signals to a BusXpert analyzer, enabling capture of both logic signals and serial data simultaneously. The BusXpert Software displays the captured logic signals and serial protocol side-by-side, making it easy to view the timing relationship between them. The Logic Adapter transmits the serialized logic to the analyzer initiator port via a standard SATA cable, or to the target port via a SATA crossover cable. The BusXpert Analyzer can trigger on any combination of logic and/or serial data.

Logic Adapter Channels

The logic adapter's input signals are organized into three groups of eight signals (23-16, 15-8, and 7-0). The threshold voltage for each group can be set by the user. Available voltage thresholds are: 0.9, 1.0, 1.1, 1.2, 1.4, 1.7, 2.0, and 2.5 volts. Each group has a separate ground pin for improved signal integrity

DEVSLP Support

The BusXpert Logic Adapter has built-in support for the SATA DEVSLP (Device Sleep) signal, which is defined in the SATA specification and used to place drives into an extreme low-power state. The DEVSLP signal itself is a slowly rising active-high signal that is assigned to a previously unused pin in the SATA power connector. The BusXpert Logic Adapter assigns input channel 23 to the DEVSLP signal, however users may reassign the signal for their own purposes. Special circuitry ensures that the slow rise of the DEVSLP signal will not cause false triggers.

BusXpert Software

Support for the BusXpert Logic Adapter is integrated into the SerialTek BusXpert Software. Logic signals may be used in the trigger sequencer as individual signals or combinations of signals. BusXpert trace view features can operate on the displayed logic signals including, display options, search and advanced search, hiding and advanced hiding. Delta times are shown between logic signals and serial events.

SerialTek

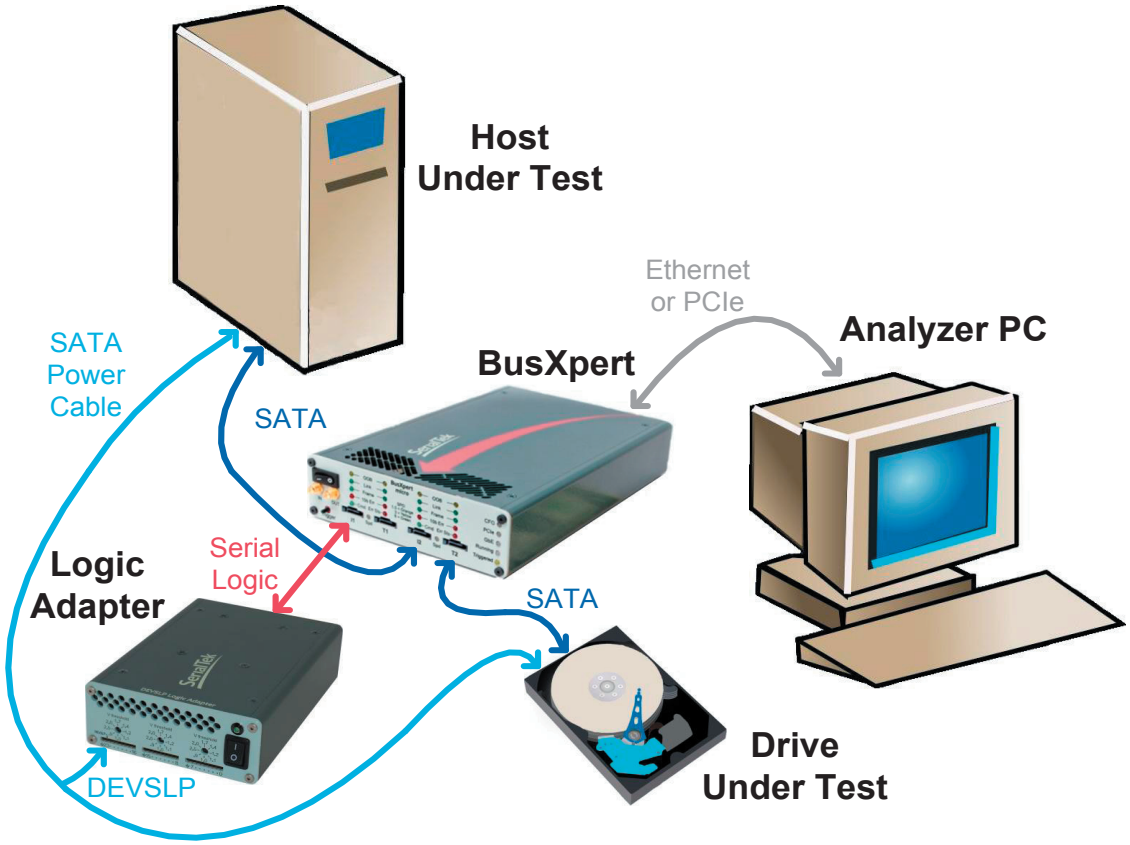
About SerialTek

Founded in 2007, SerialTek's experienced team shares a common goal: Design and build the fastest and most intuitive test equipment for storage developers, so they don't have to spend valuable time waiting for their analyzer, or figuring out how to configure their jammer. Serialtek is committed to raising customer expectations with each successive year of innovation.

Contact Us

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
www.serialtek.com



Specifications

Maximum Input Voltage	6.0V
Input Sample Frequency	75 MHz
Minimum Input Pulse Width	13.5 ns.
Power Requirements	100 - 240V, 50 - 60 Hz
Dimensions	1.25" H x 4.25" W x 6.25" D
Protocol Analyzer Requirements	SerialTek BusXpert Micro or Pro Analyzer (2-port minimum)

Ordering Information

BusXpert Logic Adapter w/cables LA-3ST-24

Note: cabling kit includes 3 flexible 22AWG 64/40 wire harnesses, 27 test clips and a DEVSLP breakout SATA power cable.

SerialTek

SerialTek, LLC
1570 Oakland Rd
San Jose, CA 95131
Phone 408.436.8080
Fax 408.436.8098

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