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Busxpert Micro II Series SAS/SATA Analyzer



- Analyzer Software (https://www.serialtek.com/downloads/)
- Datasheet (https://www.serialtek.com/wp-content/uploads/2018/10/BusXpert-Micro-II-SAS-SATA-Analyzer-datasheet.pdf)
- Product Gallery (https://www.serialtek.com/gallery)

Product Description

The new SerialTek BusXpert Micro II revolutionizes the analysis of devices and systems utilizing the high speed SAS and SATA storage protocols. With key features found in few other SAS/SATA analyzers the Micro II is a portable, lightweight unit that supports up to 36 GBs of capture buffer, hardware accelerated gigabit Ethernet, pre-indexed and compressed trace data and multiple analysis processors.

This 4 port, 12 Gb/s analyzer is also compatible with slower speeds and protocols. A 2 port model, licensed upgradable to 4 ports, is also available. SATA data rates of 1.5 Gb/s, 3.0 Gb/s, and 6 Gb/s are supported, as are SAS data rates of 3.0 Gb/s, 6.0 Gb/s, and 12.0 Gb/s. It is portable weighing 4.5 lbs or roughly the same as an average notebook computer; but it has the power and capabilities of solutions that are much, much larger. This makes it an ideal tool not only for lab environments but also for field and support engineers.

The analyzer employs next generation high-speed transceivers, providing for accurate and reliable first-time linkup. Two modes of linkup are supported. In addition, the analyzer supports optional user calibration controls to assist linkup under sub-optimal signal integrity conditions.

The software provides for a new and powerful waveform “eye” display. This is a unique capability, typically found on oscilloscopes, that allows for digital signals to be easily observed in a graphic form. The feature permits users to take control over sample rates and display resolution. Eye diagrams are used as an aid in obtaining the optimal signal integrity by graphically showing the effects of varying calibration settings on the received serial data. They may be saved as either a graphical image or a

file containing all the data and options needed to reconstruct the eye diagram. Now SAS and SATA engineers have not only the ability to observe the upper layer protocol transactions but also the lower physical layer information in a single compact, portable unit.

Download Data Sheet (/wp-content/uploads/2018/10/BusXpert-Micro-II-SAS-SATA-Analyzer-datasheet.pdf)
Download Packing Slip (/wp-content/uploads/2018/10/BusXpert-Micro-II-SAS-SATA-PCIe-Analyzer-Package-Contents.pdf)

Key Features

- Multiple mechanisms to achieve reliable and accurate linkups
- Record, upload and display up to 12 Gb/s SAS and up to 6 Gb/s SATA traffic in seconds with either Gigabit Ethernet or USB 3.0
- 500ps Timestamp Resolution for industry's most accurate capture
- Eye-Opener front end
- Tunable RX/TX signaling
- Available with 2 or 4 bi-directional ports and up to 36 GB trace buffer

Additional Information

- All BusXpert Micro Series analyzers also come with a 3 Yr Hardware warranty, free product support, and no software maintenance fees for the life of the analyzer.

Specifications

- Measurements: 7" x 10" x 2"
- Weight: 4.5lbs; 2kgs
- Comm. Interfaces: GigaBit Ethernet, USB 3.0
- SATA: 3 Gb/s and 6 Gb/s
- SAS: 3 Gb/s, 6 Gb/s and 12 Gb/s
- Power: 100-240VAC 50-60Hz
- Status LEDs for:
  - Speed
  - OOB
  - Link Up/Down
  - Frames present
  - 10b Error detection
  - Command Status

SAS / SATA Analyzers

BusXpert Micro II Analyzer, 2 port, 4.5GB Buffer	MA2-m2x12SA-4GB
BusXpert Micro II Analyzer, 2 port, 9GB Buffer	MA2-m2x12SA-9GB
BusXpert Micro II Analyzer, 2 port, 18GB Buffer	MA2-m2x12SA-18GB
BusXpert Micro II Analyzer, 2 port, 36GB Buffer	MA2-m2x12SA-36GB
BusXpert Micro II Analyzer, 4-port, 9GB Buffer	MA2-m12SA-9GB
BusXpert Micro II Analyzer, 4-port, 18GB Buffer	MA2-m12SA-18GB
BusXpert Micro II Analyzer, 4-port, 36GB Buffer	MA2-m12SA-36GB

Related Products

SI-Fi™ PCIe Gen4 Interposers
(https://www.serialtek.com/si-fi-pcie-gen4-interposers)

Kodiak™ PCIe Gen4 Analysis System
(https://www.serialtek.com/kodiak)

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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