

DATASHEET



Key Features

Target:

- Simulated SAS Disks drives, Tapes, Disk arrays and Tape Libraries
- Predefined and/or Editable Device Profiles
- Configurable LUN parameters
 - Speed
 - Size
 - Profile
 - Errors
 - Block Size

Initiator:

- Configurable IO Generator
- Load testing
- Custom Command builder
- Data Testing:
 - Read/Write/Compare

System:

- Easy to use Web based interface
- Command line interface and scripting
- Save/load configurations
- Trace Functionality
- Error counters
- Real time statistics and performance data

Port Resources

- Up to 60 Luns per Target
- 8 or 16 6G SAS ports running at 1.5, 3 or 6G

Overview

The SANBlaze VirtuaLUN 6G SAS (Serial attached SCSI) emulation system delivers an extremely cost effective approach to SAS device testing. The 6G SAS VirtuaLUN provides both target and initiator emulation capabilities. The VirtuaLUN target mode emulates SAS Disk or Tape devices for read/write performance and error injection testing, with no initiator side software changes required. The VirtuaLUN system reduces the need to deploy large farms of physical “scratch” disks, providing high performance, non-volatile media at a fraction of the cost of physical disks or tapes.

The 6G SAS VirtuaLUN system comes configured with 8 or 16 SAS ports or “phys” running at 1.5, 3 or 6 Gbps. Each target can be configured to present from 1 to 60 virtual “disks”, each with a configurable size, errors, speed and identity. A fully configured system can present up to 960 LUNs into the test environment, providing a huge cost savings over building the same capability using real disk drives.

The ability to add latency, have differing read/write sizes, inject a wide variety of errors and save and restore multiple disk configurations provides a flexible and invaluable tool for development, test and QA labs.

The 6G SAS VirtuaLUN initiator software delivers the ability to drive SAS traffic, inject errors, send specific or custom op codes in a easy to use, scriptable platform

The VirtuaLUN occupies a 1U rack space, providing test labs with a highly optimized test environment in a compact footprint. An integrated, easy to use web based interface allows configuration, re-configuration, error injection and monitoring from any remote system. Extensive scripting capabilities via command line or Web interface allow for complex in-depth testing to occur with integrated counters and reporting.

Quick Start Menus and predefined tests enable rapid setup and deployment:

1 Click multisystem manager.

2 Double check you've discovered all targets.

3 Start testing!

Ordering Information and options:

Part Number	Description
SB-SLUN6-Y-Z-S	6G SAS VirtuaLUN
Y = SAS Ports	8 or 16
Z = Memory	8 or 32G
S – Software	T= Target Mode I = Initiator Mode TI= Both
Example: SB SLUN6-16-32-T	6G SLUN with 16 SAS Ports, 32 Gbytes of memory – Target only

For more information please visit the SANBlaze web site at: www.sanblaze.com or send email info@sanblaze.com.



SANBlaze Technology, Inc. is a pioneer in SAN Emulation technologies and a leading provider of storage solutions for embedded systems. SANBlaze emulation products provide storage engineers, test and QA teams with scalable, high performance and configurable emulated environments for Fibre Channel, SAS and FCOE targets and initiators.

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