

DATASHEET



FEATURES

- Simulated FCOE and/or Fibre Channel Disks drives, Tapes, Disk arrays and Tape Libraries
- Near line rate performance
- Launch via web or CLI script
- Save/load configurations
- Multi-target and Initiator support (NPIV)
- Generate/Consume non-FCOE traffic as well (TCP/UDP)
- FIP Support Versions 0 and 1
- DCBX Support Versions 1.00, 1.01
- Pause support
- Error injection
- Traffic priority control
- Frame size control (MTU)
- Configurable MAC address
- FCOE header manipulation
- Congestion simulation
- CRC corruption injection
- Packet Capture and Decode

Resources per Port

- Up to 256 Targets per port
- Up to 512 LUNs per port (Disk and/or Tape)
- Up to 256 Initiators per port

Port options

- 10G Ethernet Ports: 2 or 4 Ports
- 8G Fibre Channel Ports: 2 ports
- Auto Link Speed
- NPIV – Point to Point

Overview

The **SANBlaze FCOE VirtuaLUN** is the key piece of test equipment for anyone developing products supporting FCoE (Fibre channel over Ethernet). The VirtuaLUN feature set provides a unique set of functions applicable in all aspects of a product lifecycle; from development to design validation and test and QA. The ability to emulate targets and/or initiators with a wide range of configurable attributes provides engineers with a flexible, scalable tool to simulate real Data Center Ethernet and SAN environments, at a fraction of the cost of real devices.

SANBlaze has adapted five years of Fibre Channel test expertise and applied it to the FCoE VirtuaLUN. Easily configurable target environments with optional storage profiles can be edited and saved for reuse. Engineers will appreciate the easy “3-click” quick start capability to either generate or terminate I/O traffic. Multiple error conditions and triggers allow for complex error injection. Custom command generation and predefined tests provide simulated host environments. Users can build up a library of test cases which can be easily retrieved and leveraged later in scripts to validate adapter, switches and storage, including flow control between FCoE and legacy Fibre channel.

Some Typical Uses:

Validate FCoE CNA (Converged network adapter)
Validate FCoE storage arrays
Performance testing
Test/Validate FCOE to FC bridging and interoperability
Error handling Testing
Scalability Testing such as:

- Max Targets capability
- Max LUN capability
- Max I/O (queue full)
- Max capacity (volumes)
- Max and Min Throughput
- All CDB (norm, vendor unique)
- Persistent Reservations
- Failover Testing

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-VLF-XY-Z-S	10G FCOE VirtuaLUN
X = FCOE ports	2 or 4
Y = Fibre Channel Ports	0 or 2 (2 ports of FC limits to 2 ports of FCOE)
Z = Memory	8 or 32G
S – Software	T= Target Mode I = Initiator Mode TI= Both
Example: SB VLF-22-32-T	FCOE VLUN with 2 FCOE Ports, 2 Fibre 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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