



## OVERVIEW

**SANBlaze VirtuaLUN** storage emulation software is a key piece of test equipment for anyone developing, testing or deploying storage hardware or software products. Emulated storage targets (disks, tapes and arrays) or Initiators (hosts) can in many instances replace real devices, providing multiple benefits versus the use of dedicated storage hardware.

SANBlaze VirtuaLUN Emulation solutions support most storage protocols, including: Fibre Channel, iSCSI, FCoE and SAS.

The combination of SANBlaze software with supported hardware provides a powerful, scalable, high performance storage subsystem. Software is ported to best in class NIC/HBA/CNA devices to provide the best performance and feature set for emulated solutions by storage protocol.

SANBlaze emulation solutions can be purchased in two ways:

- › As a **software license** deployed on supported hardware by the user. Software solutions vary based on:
  - Enterprise (full featured) or Value (lower cost)
  - Protocol
  - Port count
  - Target or Initiator or both
- › As a **system**, pre-configured in a high performance, scalable hardware platform integrated and supported by SANBlaze. System includes PCI-e Gen 3 Motherboards with dual, multi-core Intel processors

System configurations vary based on:

- Platform Slots (2 slots or 6 slots)
- Platform Memory (64GB, 128GB or 256GB)
- Protocol
- Port count
- Target or Initiator Emulation or both

## FEATURES

- Target emulation for
  - Hard Drives
  - SSD
  - Tapes
  - Disk arrays
  - Tape Libraries
- Initiator emulation for
  - Hosts
  - HBA's
  - NIC's
  - CNA's
- Software only options:
  - Value
  - Enterprise
- Two high performance system options
  - 1U Two slot Platform with 64G, 128G or 256G of RAM
  - 3U Six slot Platform with 64G, 128G or 256G of RAM

## PROTOCOL SUPPORT

- 40G FCoE
- 40G iSCSI
- 10G FCoE
- 10G iSCSI
- 32G, 16G, and 8G Fibre Channel
- 6G or 12G SAS
- NVMe

## AVAILABLE PORTS PER SLOT

- 40G FCoE and iSCSI 2
- 10G FCoE and iSCSI 2
- 32g/16g/8G Fibre Channel 2 or 4
- 6G or 12G SAS 8

### Software Solutions

SANBlaze Emulation solutions are available as Software only for deployment on SANBlaze approved hardware platforms.



### SANBlaze VirtuaLUN™ Value

The Value Edition delivers the basic SANBlaze emulation functionality in a flexible software only configuration allowing end users to deploy on recommended hardware platforms and configurations. The Value Edition includes most of the functions of the full featured emulation product, but excludes some advanced features such as error injection and performance enhancements.

Chassis	Memory	Slots
VLF	64G, 128G, 256G	2
GLF	64G, 128G, 256G	6

### SANBlaze VirtuaLUN™ Enterprise

The Enterprise Edition delivers the complete SANBlaze emulation functionality in a flexible software only configuration allowing end users to deploy on recommended hardware platforms and configurations.

Protocol	Ports Per slot
40G FCoE	2
40G iSCSI	2
10G FCoE	2
10G iSCSI	2
32G/16G/8G FC	2 or 4
SAS 6G or 12G	8

### SANBlaze optimized hardware platforms

SANBlaze emulation solutions are delivered in high performance, optimized systems that provide flexibility and maximum performance. Features include:

- 2 Slot VirtuaLUN (VLF) platform  
Dual 2.67 Ghz Eight Core Intel Xeon Processors  
PCI-e Gen3 Motherboard  
DDR3 1600Mhz memory – 64G, 128G or 256G
- 6 slot GargantuLUN (GLF) options  
Dual 3 Ghz Ten Core Intel Xeon Processors  
PCI-e Gen3 Motherboard  
DDR3 1600Mhz memory – 64G, 128G or 256G

Protocols can be mixed and matched in any system.

For example, A VLF system has two slots, so it could support 2 ports of FCoE and 2 Ports of 16G Fibre Channel. Any variation of the Protocols can be integrated within a system.



**VirtuaLUN (VLF) 2 Slot, 1U System**

For more information please visit our web site at [www.sanblaze.com](http://www.sanblaze.com) or send email to [info@sanblaze.com](mailto:info@sanblaze.com)



**GargantuLUN (GLF) 6 Slot, 3U System**

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