

SCALAR iSCSI BRIDGE



DATASHEET

FEATURES & BENEFITS

Tape Libraries Over Ethernet

The iSCSI Bridge provides users with a flexible deployment option beyond FC and SAS. Extends the distance of SAS deployments allowing it to be comparable to FC deployments.

Integrated Bridge

The Bridge is integrated into the library chassis, reducing the needed footprint and minimizing rack space; it installs in the existing iBlade slot, not utilizing tape drive slots.

Lower Cost Environment

Reduce TCO with SAS tape drives by saving up to 15% in cost per drive compared to FC tape drives and the need for expensive FC HBAs.

Extending Scalar Tape Libraries into More Environments

In today's fast-paced, data-driven environments, IT organizations are constantly looking for ways to optimize their storage infrastructure without incurring the high costs typically associated with the deployment of Fibre Channel environments.

The Scalar® iSCSI Bridge offers an integrated, scalable solution enabling organizations to connect SAS drives to Ethernet networks using iSCSI protocol. The benefits of deploying an iSCSI-based solution include lower hardware costs, reduced power consumption, and lower maintenance costs compared to Fibre Channel. iSCSI allows SAS to be used where SAS cable distances previously prevented the uses of SAS tape drives. These benefits are valuable, particularly for storage, as data growth has resulted in higher operating and capital costs. The iSCSI Bridge is a simple and cost-effective way to connect Scalar i3 and Scalar i6 tape libraries into more environments.

OPPORTUNITIES

- **Enterprises modernizing legacy tape infrastructure**
Transition to a more agile, Ethernet-based backup architecture without disrupting operations or needing additional resources and specialized expertise.
- **Media, finance, healthcare, and government organizations**
Meet strict compliance, long-term data retention, and SLA requirements with a secure, network-integrated solution that scales effortlessly with business growth.
- **Data Centers embracing IP-based storage architectures**
Simplify operations with native Ethernet connectivity to SAS tape devices—no dedicated tape servers or proprietary software required.
- **Managed Service Providers driving innovative and efficient solutions**
Gain a competitive edge by offering secure, reliable data protection services with centralized control and simplified deployment across diverse customer environments.

LEARN MORE:

www.quantum.com/scalar

Tape Library and Drive Support

Quantum iSCSI Bridge	iSCSI Bridge SFP+ Optical	iSCSI Bridge RJ45 Copper
Input Connectors	Two (2) 10Gb Ethernet	
Connector Type	SFP+ Optical	RJ45 SFP Copper
Supported Libraries	Scalar i3 & Scalar i6 ¹	
Form Factor	Utilizes existing iBlade Slot in Control/Expansion Module	
Number of Bridges	One (1) bridge per module, maximum of six (6) bridges per library	
Number of Supported Drives	Up to 4 tape drives per bridge	
Tape Drive Generation	LTO-6 and above (SAS only)	
Tape Drive Connectivity	One (1) 12Gb Mini-SAS HD SFF 8644 port on bridge; negotiates to 6Gb as needed	
Management Connectivity	One (1) 1Gb Ethernet RJ45 port	

¹ Installation of iSCSI Bridge requires 440W power supply to be installed in control module or expansion module. 315W power supply is not supported.

iSCSI Bridge

Quantum iSCSI Bridge	iSCSI Bridge SFP+ Optical	iSCSI Bridge RJ45 Copper
Processor	Multi-Core ARM 64bit	
RAM	4GB DDR4-SDRAM	
eMMC	32GB Flash	



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