ECO*FLASH2 SERIES
SBS 4:48

Payload - Performance - Price
The King of the Beasts

THE BAR HAS BEEN RAISED

It is no longer "SSD" vs "Spinning Disk"!
It is Non-Volatile vs Non-Volatile.

At the heart of the Storbyte SBS 4:48 is the Storbyte Eco*Flash™ / Flash Drive and an industry defining design.

The Storbyte Eco*Flash drive and SBS 4:48 are powered by the Industry Exclusive Storbyte Hydra™ architecture utilizing the advanced mathematics and Algorithms of the Data Remapping and Command Optimization (DRACO). This layer enables a distributed resource utilization model providing an exponential return on available memory and processing resources. The combination of the Hydra/DRACO modeling provides enterprise class performance at a commodity based price point establishing the Storbyte Eco Flash™ systems as the defined price performance benchmark.

ENTERPRISE CLASS CAPABILITIES

The SBS 4:48 is a True Active/Active, All Ports, All Luns, Redundant, 100% On-Line, Hot Swap architecture. Based on the Open Compute / Open Systems concept the SBS 4:48 delivers on the promise of true future proofing with the option of utilizing any form of connectivity with the added ability of supporting, simultaneous Multi-Protocol connectivity.

INTEGRATED DATA SERVICES

The SBS 4:48 Javelin software / file system takes the expectation of enterprise class software features to the next level providing options such as Intelligent and Assignable Multi-Tier De-Duplication and Compression. You now have the flexibility to assign data optimization to specific data sets or tiers of storage. In addition the Javelin Software Data Services provide an industry leading Zero Impact Direct Mount Snap Shot feature that is fully integrated into what is considered one of the best Synchronous / Asynchronous + Ture Metro Clustering replication in our industry.

CERTIFIED OPEN SYSTEMS SUPPORT

If you have standardised on a perferred file system the Storbyte SBS 4:48 is certified to support all industry standard file systems and virtually all of the next generation open system options. You have the option to Install or Storbyte will install the file system of your choice directly on the SBS 4:48 industry certified, open systems hardware paltform providing you full warranty coverage and support options..

VMWARE READY CERTIFIED

The SBS 4:48 architecture is designed to support all major virtualization options including Next Generation virtualized appliances. Hyper Converged (HCI) options like Nutanix and backup/data management applications like Rubrik can be loaded directly onto the SBS 4:48 delivering certified industry leading feature flexibility options.

5 + 5 - UNLIMITED WARRANTY

The 10 year Eco Flash unlimited drive write warranty is combined with the SBS 5+5 zero cost system upgrade plus a user defined connectivity upgrade. At year 5 upgrade the system controllers plus user defined connectivity. A responsibly answer to the question of real future proofing is now truly available.

DOES HARDWARE AND DESIGN MAKE A DIFFERENCE, YES IT DOES

Whether you are looking for a fully integrated, self contained flash based storage system or the correct foundation to support your own design of choice the Storbyte SBS 4:48 will deliver for years to come everything you are looking for at a cost correct, price performance combination unequaled in our industry.

FEATURES & SPECS >>>>

FEATURE HIGHLIGHTS

Active/Active Controllers Direct Access - All Ports All Luns	Seamless Fail-Over and Upgrades, Active Updates & Roll Backs
Fibre - Ethernet - InfiniBand - SAS	Simultaneous Multi-Protocol Capable, User Definable and Upgradable
Hardware Agnostic Transparent System Expansion	Any Hardware - Any Connectivity Multi-Tier, Hybrid Capable Expansion
10 Year Unlimited Warranty True Future Proofing	10 Year Plus 5 Year No Charge Controller and Connectivity Upgrade
Internal Cable Management Fixed Flex Frame™ slide design	No external rack rails or cable arm Optimized for standard size racks
Integrated Enterprise Class Management Features	Built in Backup, Multi-Site Aware, 3rd Party Support, No license fees

SPOTLIGHT LOOK

Up to 2.88 Petabyte RAW actual capacity

4U Standard Rack Design

Up to 14.4 Petabyte with compound Optimized Data Reduction

The Eco*Flash Drive

64 • 32 • 16 & 8 Terabyte Models

Dual Ported - Dedicated Lanes Direct Controller Access

10 Year – Unlimited Drive Writes Warranty

Active / Active – All Ports, All Luns

Direct Drive Access No Switching or Bridging

Quad Integrated Processing User Definable Performance Options

Industry Standard / Open Systems Controllers and Architecture

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User Definable

Multi-Protocol Connectivity

Fibre – Ethernet – InfiniBand

File & Block Simultaneous Support

Fixed Flex Frame Design

No External Rack Rails – Internal Cable Management

No External Cable Management Arm

Rack Mount Space/Capacity Optimized

Patent Pending, Integrated Drive Carriers

TECHNICAL SPECIFICATIONS

Rack Mount	4U Fixed Flex Frame™
Raw Storage Capacity	96 to 2.88 PB (Scalable as Required)
Compound Optimized Data Reduction	480 to 14.4 PB (Scalable as Required)
Performance	21 GB/s
IOPS Performance	3 Million plus
Drive Support	48x ECO*FLASH & 4x NVMe (Dual Port)
ECO*FLASH™ Drives Connectivity	InfiniBand 10 • 40 • 56 • 112 EDR Ethernet 1 to 100 Auto Negotiable Fibre 8 • 16 • 32
Active/Active 100% Hot Plug Redundant	All drives, controllers, fans, power supplies, connectivity, etc.
Expansion Connectivity	SAS • Open Systems • JBod
Standard Software Features	High Availability, Data Protection, Atomic Transaction Writes, Data Optimization, Data Acceleration, Data Virturlization, Scalability, Monitoring, VMware Ready™
Fully Upgradable or Exchangeable	ECO*FLASH Drives Controllers & Connectivity
Temperature	50° F - 95° F
Humidity	20% to 90%
Shock	1500G & 0.5ms (Half sine)
Nominal Thermal Rating (BTU/hr)	6141 0.78 to 3.9 per TB
Peak Thermal Rating (BTU / hr)	7506 0.95 to 4.77 per TB
Voltage	100V-240V 50/60 Hz
Nominal Power Consumption	1800W 0.23 to 1.14 per TB
Peak Power Consumption	2200W 0.28 to 1.4 per TB
Dimensions	17.5″ W x 41″ L x 7″ H
Weight	195 LBS

Designed and Built in the U.S.A.

Product Specifications Subject to Change