**storbyte**

PROUDLY DEVELOPED BUILT DESIGNED U.S.A.

*ECO•FLASH SERIES*

# SBS 2:16

**Payload - Performance - Price**
**A Sleeping Little Giant**

## 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 2:16 is the Storbyte Eco•Flash / Flash Drive and an industry defining design.

The Storbyte Eco•Flash drive and SBS 2:16 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 2:16 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 2:16 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 2:16 multiple Storbyte file system options to meet 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 Storbyte 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 2:16 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 2:16 industry certified, open systems hardware paltform providing you full warranty coverage and support options..

## VMWARE READY CERTIFIED

The SBS 2:16 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 2:16 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 2:16 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

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|---|---|
| **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 524 Terabytes RAW actual capacity

2U Standard Rack Design

2.62 avg. Petabytes with compound Optimized Data Reduction

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The Eco*Flash Drive

4 • 8 • 16 & 32 Terabyte Models

Dual Ported - Dedicated Lanes Direct Controller Access

10 Year – Unlimited Drive Writes Warranty

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Active / Active – All Ports, All Luns

Direct Drive Access No Switching or Bridging
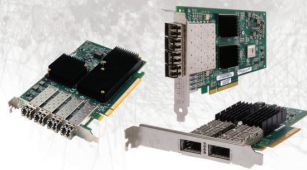
User Definable Performance Options

Industry Standard / Open Systems Controllers and Architecture

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User Definable

Multi-Protocol Connectivity

Fibre – Ethernet – InfiniBand

File, Block & Object Simultaneous Support

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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

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|---|---|
| **Rack Mount** | 2U Fixed Flex Frame™ |
| **Raw Storage Capacity** | 24 to 524 TB (Scalable as Required) |
| **Compound Optimized Data Reduction** | 120 to 2,620 TB (Scalable as Required) |
| **Performance** | 7.0 GB/s |
| **IOPS Performance** | 1 Million plus |
| **Drive Support** | 16 x ECO•FLASH Dual Port |
| **ECO•FLASH™ Drives Connectivity** | InfiniBand 10 • 40 • 56 • 112 EDR<br>Ethernet 1 to 100 Auto Negotiable<br>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)** | 2286<br>0.87 to 4.36 per TB |
| **Peak Thermal Rating (BTU / hr)** | 3548<br>1.35 to 6.77 per TB |
| **Voltage** | 100V-240V 50/60 Hz |
| **Nominal Power Consumption** | 670W<br>0.25 to 1.28 per TB |
| **Peak Power Consumption** | 1040W<br>0.39 to 1.98W per TB |
| **Dimensions** | 17.5″ W x 35.5″ L x 3.5″ H |
| **Weight** | 90 LBS |

Designed and Built in the U.S.A.

*Product Specifications Subject to Change*