

## SOLUTION BRIEF

### Viking Enterprise Solutions and StorONE Alliance

#### Optimizing Modern Workloads with Unmatched Performance and Simplicity

The alliance between Viking Enterprise Solutions (VES) and StorONE delivers a fully integrated storage platform combining cutting-edge hardware with intelligent software-defined storage (SDS). The result: unmatched performance, simplicity, and cost-efficiency for modern enterprise workloads.

#### VES High-Availability NVMe Storage Server

A dual-controller, 2U NVMe storage server built for performance, scalability, and high availability.

- AMD EPYC<sup>™</sup> CPUs with 128 PCIe Gen4 lanes
- 24 Hot-Pluggable Dual-Port NVMe SSD's
- 96 GB/s internal node bandwidth
- High availability with redundant components for always-on reliability
- Remote Management with IPMI, CLI, GUI, and Redfish

#### StorONE: Unified Software-Defined Storage

StorONE's SDS platform is designed to simplify, protect, and accelerate enterprise storage.

- **Auto-Tiering:** Real-time movement between NVMe, SSD, and HDD
- **Multi-Protocol Support:** iSCSI, FC, NFS, SMB, S3
- **High-Speed and Secure Snapshots & Replication**
- **Erasure Coding for Efficient Protection**
- **Centralized, User-Friendly Management Interface**

#### Combined Hardware Platforms + SDS Advantages

VES Hardware Platforms	StorONE SDS	Joint Benefit
NVMe & PCIe Gen4	Auto-tiering across media types	Top-tier performance with lower cost
Dual-active controllers	Replication and HA features	High availability and business continuity
Scalable 2U design	Independent scaling of performance/capacity	Flexible, future-proof infrastructure
Dual-port NVMe drives	Unified protocol support	Workload consolidation
Enterprise remote management	Centralized SDS dashboard	Simplified operations & faster troubleshooting

## PRODUCT BRIEF

# Viking Enterprise Solutions and StorONE Alliance

## Simplicity Delivered

This joint solution eliminates complexity with:

- **Unified Management Interface** across all storage media and protocols
- **Easy Deployment** via pre-integrated software-hardware stack
- **Operational Efficiency** with fewer tools, automated tiering, and fast recovery
- **Streamlined Scaling** for growing data environments without forklift upgrades

## Use Cases



### AI & Machine Learning

- High-throughput NVMe supports model training and inference workflows
- Seamless scaling for evolving AI pipelines



### Data Analytics & Big Data

- Ideal for Spark, Hadoop, and real-time analytics platforms
- Auto-tiering optimizes storage efficiency



### High-Performance Computing (HPC)

- Delivers ultra-fast read/write speeds for simulations and scientific computing
- Built-in high availability and data protection



### Virtualization & VDI

- Supports hundreds of VMs and desktops with predictable performance
- Simplified snapshot and rollback management



### Database & OLTP Workloads

- Handles intense transactional loads with low-latency NVMe
- Integrated data protection for mission-critical systems



### Private & Hybrid Cloud Infrastructure

- Perfect for OpenStack, VMware, Hyper-V, Kubernetes environments
- S3 compatibility for private cloud storage



### Data Protection & Backup Targets

- Fast, reliable backup/restore targets
- Cost-effective long-term retention with erasure coding



### Media & Entertainment

- Optimized for high-resolution video editing, rendering, and streaming
- NVMe performance ensures real-time editing and playback
- Auto-tiering archives cold content to lower-cost drives seamlessly

The **VES hardware platforms + StorONE SDS** storage solution is a modern, powerful, and easy-to-manage storage platform built for performance-intensive and data-rich environments. From AI to media workflows, this alliance delivers **speed, scalability, and simplicity** — all in a single stack.



**VIKING**  
Enterprise Solutions  
A Sanmina Division

For price, availability and sales information, please email us at [channel@vikingenterprise.com](mailto:channel@vikingenterprise.com) or call us at +1 (855) 639-7838  
[www.vikingenterprisesolutions.com](http://www.vikingenterprisesolutions.com)  
Copyright © 2025 Viking Enterprise Solutions, all rights reserved.