STONEFLY

PROMISE TECHNOLOGY

Highlights

Scalability & Performance

- Scale-Out with more nodes as business growth demands more storage
- Aggregate bandwidth increase as more nodes are added to improve overall performance

Enterprise & Storage Features

- Scale-Out NAS (CIFS/SMB, NFS protocol)
- Single Namespace Distributed File System
- Patented Advanced Storage Virtualization
- Volume Access Control
- Dynamic Volume Management
- Advanced Reporting Management
- Snapshots (Delta-based and Mountable Read-Only)
- Data Protection (Erasure Code or Replica)
- Automated Online Volume/Storage Expansion
- Quota (Volume and Directory)
- Asynchronous Replication (One-to-Many & Many-to-One)
- Hardware-Enabled Block level Encryption (AES 256 based) – In-Transit or At-Rest
- Tiered Storage Support
- Cloud Replication
- VMWare, Hyper-V & Xen Compatible
- Open Stack compatible – Cinder, Swift & Glance

Power & Cooling

- Redundant Hot-Swappable
- 80 PLUS Platinum
- 94% to 96% Efficiency

Scale-Out NAS Appliance

The distributed file system enables scalability to several petabytes. Distributed data overlay, aggregate and pooling storage blocks over TCP/IP, and data management in a single global namespace provide flexibility and ease of management while meeting expanding storage demand.

Scale Your Business Need

The Scale-Out NAS Storage Appliance allows you to expand Storage (Volume) across multiple nodes without using metadata, and manage in a single namespace. Usable bandwidth increase as more nodes are added. Scale-Out your storage needs as your business demand increases without losing performance.

Enterprise Class Storage

Built with Enterprise in mind, including advanced features and data protection capability, the Scale-Out NAS Storage Appliance is resilient with redundancy; it scales effortlessly for storage and performance to fulfill requirements of any enterprise application. It is a perfect storage platform for IT, backup, and running multiple mixed workloads.

Storage Consolidation

Cost and time needed to maintain the network of storage becomes overwhelming as Enterprise storage requirements increase. A consolidated storage infrastructure allows painless scalability, high availability and enhanced storage utilization.

Storage Simplified

Single Namespace Distributed File System does not require users to be cognizant of the data location. Coupled with storage virtualization, this makes a seamless extension to applications. Graphical management software with Advanced Report management, Dynamic Volume management, Performance and Utilization Reporting simplifies storage management for its optimal potential.

CITRIX ready   openstack.   Microsoft Hyper-V   vmware READY STORAGE

DATA SHEET · Scale-Out NAS Appliance

Models & Scaling

Platform & Base Models	2U12	3U16	4U24
	SSO-1204P (12 HDD) **SSO-1024P (10 HDD + 2 SSD)**	**SSO-1604P (16 HDD)** **SSO-1424P (14 HDD + 2 SSD)**	**SSO-2404P (24 HDD)** **SSO-2224P (22 HDD+ 2 SSD)**

Drives Selection	**HDD:** 2TB, 4TB, 6TB, 8TB, 10TB 7200RPM 12G SAS **SSD:** 960GB 12Gb SAS (SSO-1024P / 1424P / 2224P Models Only)
Capacity Expansion	Scale-Out: Expand Across an Unlimited of Nodes Scale-Up per Node: Promise VTrak J5000 Series Expansion Storage subsystem

Operational/Data Services

Enterprise Features	• Scale-Out NAS – Single Namespace • Volume Access Control • Port Teaming and Failover • NAS Volume and Directory Quotas • Metadata-less to scale capacity and performance • Advanced Reporting Management • Active Directory integration ready • Data Encryption – In-transit or At-Rest • SNMP Traps/UPS/Nagios/Call Home • VMWare, Hyper-V, Citrix & OpenStack Compatible
Advanced Storage Features	• Advanced Storage Virtualization • Asynchronous Replication (One-to-Many & Many-to-One) • Volume/Storage Expansion • Cloud Replication • Snapshots (delta-based) • Tiered Storage • Mountable Read-Only Snapshot Volumes • Real-Time Synchronous Mirroring (Campus Mirroring) • Dynamic Volume Management

Host Connectivity

Protocol	CIFS/SMB and NFS
Connectivity	2 ports 10G Ethernet RJ45 or 2 ports 10G Ethernet SFP+
Management Ports	1 port RJ45 1Gb/10Gb Ethernet for GUI Management & 1 port RJ45 1Gb Dedicated for IPMI

Processing Engine

Processor	Dual Sockets 8-Cores Skylake SP-4110 2.0GHz Silver Xeon Processor
Memory	Default 32GB per Node - optional 64GB, 128GB, 256GB and 512GB (specify when ordering)

Data Protection & Layout

Protection	Erasure Coding or Replica	
Layout Options	• Distributed • Distributed Mirrored • Mirrored • Striped • Distributed Striped • Dispersed Volumes	

Ecosystem

Compatibility	VMware, Hyper-V, Xen & OpenStack

Management Interface

Interface	Web Based management

Power/Environmental

Power Supply	920W Redundant Hot-Swappable Voltage: 100-240 Vac 50-60Hz Current:+12V 75A Max	1000W Redundant Hot-Swappable Voltage: 100-240 Vac 50-60Hz Current:+12V 83A Max	1200W Redundant Hot-Swappable Voltage:100-240 Vac 50-60Hz Current:+12V 100A Max
Power Efficiency	80-Plus Platinum - 94% efficiency (920W), 96% efficiency (1000W/1200W)		
Temperature Range	Operational: 5° to 35°C, Non-Operational: -40° to 70°C		
Relative Humidity	Operational: 8% to 90% (Non-Condensing), Non-Operational: 5% to 95% (Non-Condensing)		
Regulatory/Safety	**EMC Class A**: CE, FCC, VCCI, BSMI, RCM **Safety**: CB, UL/cUL **Environmental**: RoHS2		

Warranty & Support

Warranty	1-year full system limited warranty including Advanced Parts Replacement Optional Extended Warranty available up to 5-Years with Depot, NBD On-Site, & 4-Hour On-Site
Support	24/7 e-mail and phone support

StoneFly Technical Support Phone: (510)-265-1616

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