



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.

PROMISE

TECHNOLOGY

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.











DATA SHEET · Scale-Out NAS Appliance



| Drives SelectionHDD: 2TB, SSD: 960GCapacity ExpansionScale-Out: If Scale-Out: If Scale-Up per scale.Enterprise Features* Scale-Out If Port Teaming Metadata-le Active Dires SNMP Trape SN | | & Scaling | | |
|---|---|--|--|--|
| Drives SelectionSSO-1204P SSO-1024PDrives SelectionHDD: 2TB, SSD: 960GICapacity ExpansionScale-Out I Scale-Up peEnterprise Features*Scale-Out I Port Teami •Metadata-H •Active Dire •SNMP TrapAdvanced Storage Features*Advanced ·Volume/Sto ·Snapshots •Mountable •Dynamic VProtocolCIFS/SMB a ConnectivityProtecsorDual Socket MemoryProtectionErasure Cod ·StripedProtectionErasure Cod ·StripedCompatibilityVMware, Hy VInterfaceWeb Based ·Vac So-60H Current:12Power Supply920W Reduct Vac So-60H Current:12Power Efficiency80-Plus Plat | 0114.0 | | | |
| SSO-1024PDrives SelectionHDD: 2TB, SSD: 960GICapacity ExpansionScale-Out: If Scale-Up perEnterprise Features*Scale-Out Port Teamini •Metadata-la •Active Dire •SNMP TrapAdvanced Storage Features*Advanced Volume/Sta ·Snapshots •Mountable •Dynamic VProtocolCIFS/SMB a ConnectivityProcessorDual Socket MemoryProtectionErasure Cod ·StripedLayout Options•Distributed ·StripedCompatibilityVMware, Hy Voltage: 100 Vac 50-60H Current: 12Power Supply920W Redun Voltage: 100 Vac 50-60H Current: 12Power Efficiency80-Plus Plat | 2U12 | 3U16 | 4U24 | |
| Drives SelectionSSD: 960GiCapacity ExpansionScale-Out: If Scale-Up peEnterprise Features• Scale-Out if Port Teaming • Active Dire • SNMP TragAdvanced Storage Features• Advanced • Volume/St • Snapshots • Mountable • Dynamic VProtocolCIFS/SMB at ConnectivityProcessorDual Socket MemoryProtectionErasure Cod • StripedProtectionErasure Cod • StripedCompatibilityVMware, Hy Voltage: 100 Vac 50-60H Current:+12Power Supply920W Redun Voltage: 100 Vac 50-60H Current:+12Power Efficiency80-Plus Plat | (12 HDD) (10 HDD + 2 SSD) | SSO-1604P (16 HDD) SSO-1424P (14 HDD + 2 SSD) | SSO-2404P (24 HDD) SSO-2224P (22 HDD+ 2 SSD) | |
| Capacity ExpansionScale-Up peEnterprise Features• Scale-Out I • Port Teamini • Active Dire • SNMP TrapAdvanced Storage Features• Advanced • Volume/Stt • Snapshots • Mountable • Dynamic VProtocolCIFS/SMB a ConnectivityConnectivity2 ports 10G Management PortsProcessorDual Socket | HDD: 2TB, 4TB, 6TB, 8TB, 10TB 7200RPM 12G SAS SSD: 960GB 12Gb SAS (SSO-1024P / 1424P / 2224P Models Only) | | | |
| Enterprise Features• Port Teamin • Metadata-Metadataaanaanaanaanaanaanaanaanaanaanaanaana | Scale-Out: Expand Across an Unlimited of Nodes Scale-Up per Node: Promise VTrak J5000 Series Expansion Storage subsystem | | | |
| Enterprise Features• Port Teamin • Metadata-Metadataaanaanaanaanaanaanaanaanaanaanaanaana | Operational | /Data Services | | |
| Advanced Storage Features• Volume/Sto • Snapshots • Mountable • Dynamic VProtocolCIFS/SMB a 2 ports 10GManagement Ports1 port RJ45ProcessorDual Socket MemoryProtectionErasure Cod • Distributed • StripedProtectionVWware, HyInterfaceWeb BasedPower Supply920W Redu Voltage: 10C Vac 50-60H Current:+122Power Efficiency80-Plus Plat | Scale-Out NAS – Single Namespace Port Teaming and Failover Metadata-less to scale capacity and performance Active Directory integration ready SNMP Traps/UPS/Nagios/Call Home Volume Access Control NAS Volume and Directory Quotas Advanced Reporting Management Data Encryption – In-transit or At-Rest VMWare, Hyper-V, Citrix & OpenStack Compatible | | | |
| Connectivity2 ports 10GManagement Ports1 port RJ45ProcessorDual SocketMemoryDefault 32GIProtectionErasure CodLayout Options• Distributed • StripedCompatibilityVMware, HyInterfaceWeb BasedPower Supply920W Redu Vac 50-60H Current:+12'Power Efficiency80-Plus Plat | Advanced Storage Virtualization Volume/Storage Expansion Snapshots (delta-based) Mountable Read-Only Snapshot Volumes Dynamic Volume Management Asynchronous Replication (One-to-Many & Many-to-One) Cloud Replication Tiered Storage Real-Time Synchronous Mirroring (Campus Mirroring) | | | |
| Connectivity2 ports 10GManagement Ports1 port RJ45ProcessorDual SocketMemoryDefault 32GIProtectionErasure CodLayout Options• Distributed • StripedCompatibilityVMware, HyInterfaceWeb BasedPower Supply920W Redu Vac 50-60H Current:+12'Power Efficiency80-Plus Plat | Host Co | nnectivity | | |
| Management Ports 1 port RJ45 Processor Dual Socket Memory Default 32GI Protection Erasure Cod Layout Options • Distributed Compatibility VMware, Hy Interface Web Based Power Supply 920W Reduit Voltage: 100 Vac 50-60H Current:+124 Bo-Plus Plate | CIFS/SMB and NFS | | | |
| Processor Dual Socket Memory Default 32GI Protection Erasure Cod Layout Options • Distributed Compatibility VMware, Hy Interface Web Based Power Supply 920W Reduit Voltage: 100 Vac 50-60H Current:+122 Power Efficiency 80-Plus Plat | 2 ports 10G Ethernet RJ45 or 2 ports 10G Ethernet SFP+ | | | |
| MemoryDefault 32GIProtectionErasure CodLayout Options• Distributed • StripedCompatibilityVMware, HyInterfaceWeb BasedPower Supply920W Redu Voltage: 100 Vac 50-60H Current:+122Power Efficiency80-Plus Plat | 1 port RJ45 1Gb/10Gb Ethernet for GUI Management & 1 port RJ45 1Gb Dedicated for IPMI | | | |
| MemoryDefault 32GIProtectionErasure CodLayout Options• Distributed • StripedCompatibilityVMware, HyInterfaceWeb BasedPower Supply920W Redu Voltage: 100 Vac 50-60H Current:+122Power Efficiency80-Plus Plat | Process | ing Engine | | |
| Protection Erasure Cod Layout Options • Distributed • Striped • Striped Compatibility VMware, Hy Interface Web Based Power Supply 920W Reduit Voltage: 100 Vac 50-60H Current:+124 Power Efficiency | Dual Sockets 8-Cores Skylake SP-4110 2.0GHz Silver Xeon Processor | | | |
| Layout Options• Distributed • StripedCompatibilityVMware, HyInterfaceWeb BasedPower Supply920W Redui Voltage: 100 Vac 50-60H Current:+124Power Efficiency80-Plus Plat | 3 per Node - optional 6 | 4GB, 128GB, 256GB and 512GB (spe | ecify when ordering) | |
| Layout Options• Distributed • StripedCompatibilityVMware, HyInterfaceWeb BasedPower Supply920W Redui Voltage: 100 Vac 50-60H Current:+124Power Efficiency80-Plus Plat | Data Protection & Layout | | | |
| Layout Options• Distributed • StripedCompatibilityVMware, HyInterfaceWeb BasedPower Supply920W Redui Voltage: 100 Vac 50-60H Current:+124Power Efficiency80-Plus Plat | ing or Replica | | | |
| Interface Web Based Power Supply 920W Reduit Voltage: 100 Vac 50-60H Current:+12 ^v Power Efficiency 80-Plus Plat | • Distribu | ted Mirrored • Mirrored ted Striped • Dispersed Vo | lumes | |
| Interface Web Based Power Supply 920W Reduit Voltage: 100 Voltage: 100 Vac 50-60H. Current:+124 Power Efficiency 80-Plus Plat | Ecos | system | | |
| Interface Web Based Power Supply 920W Reduit Voltage: 100 Vac 50-60H Current:+12 ^v Power Efficiency 80-Plus Plat | per-V, Xen & OpenStad | | | |
| Power Supply 920W Reduit Voltage: 100 Vac 50-60H. Current:+12 ^v Power Efficiency 80-Plus Plat | | ent Interface | | |
| Power Supply 920W Reduit Voltage: 100 Vac 50-60H. Current:+12 ^v Power Efficiency 80-Plus Plat | management | | | |
| Power SupplyVoltage: 100 Vac 50-60H Current:+121Power Efficiency80-Plus Plat | Power/En | vironmental | | |
| - | ndant Hot-Swappable I-240 z | 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 | |
| Tomporature Pango Operational: | inum - 94% efficiency (| 920W), 96% efficiency (1000W/1200) | N) | |
| Temperature RangeOperational: | 5° to 35°C, Non-Opera | ational: -40° to 70°C | | |
| Relative Humidity Operational: | Operational: 8% to 90% (Non-Condensing), Non-Operational: 5% to 95% (Non-Condensing) | | | |
| Regulatory/Safety EMC Class | 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 | | | |
| · · | 24/7 e-mail and phone support | | | |

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