



ISC 6GS-Class SAN Appliances

ISC 6GS-Class Integrated Storage Concentrators

This easy-to-use, Integrated Storage Concentrator (ISC 6GS-Class) product family offers a cost-effective SAN for small offices, remote sites, branch offices and first-time SAN deployments. With RAID protection and redundant components, ISC 6GS-Class series of SAN appliances offer an ideal platform for applications ranging from Storage Consolidation, Virtual Server Storage, Disaster Recovery, Disk-Based Backups and more.

The ISC-6GS family of SAN products offer large storage capacities at a low price and are available in 6Gb SATA, SAS or SSD combinations of 4 to 36 drives per base unit. Additionally, the ISC 6GS-Class IP SAN appliances with 12 or more bays offer the industry's most cost-effective expansion via 12-bay, 16-bay or 24-bay expansion units for up to 256 drives.

Virtual Storage for Virtualized Environments

- VMware Certified
- Citrix Xen Certified
- Microsoft HyperV
- KVM

ISC 6GS-Class IP SAN Appliance – Key Features

StoneFly StoneFusion 8.0 Base SAN Management 64-Bit OS

- o Logical Volume Creation and Patented Advanced Storage Virtualization Services
- o 200 iSCSI Volumes / 1022 Concurrent Host iSCSI Sessions
- o iSCSI Port Teaming, Failover and Load-Balancing
- o Volume-Level Access Control and Dynamic Volume Management
- o Support for SNMP Traps/UPS/Nagios/RAID Monitoring/Call Home
- o System-Wide Graphical Performance and Utilization Reporting
- o Advanced Report Management
- o Automated Online Volume / Storage Expansion

StoneFly StoneFusion 8.0 Advanced Features Package

- o StoneFly Snapshot Services with 2520 Delta-Based Snapshots
- o Mountable Read-Write Snapshot Volumes
- o Snapshot Schedule Utility, Command Line Interface Utility
- o StoneFly Real-Time Synchronous Mirroring of iSCSI Volumes and Nodes (Campus Mirroring)
- o Multi-Site/Multi-Appliance Replication and Unified Central Management System
- o Thin Provisioning with Space Reclamation
- o Tiered Storage Architecture with Hardware & Software Support

Available Software Upgrade Options

- o Asynchronous Replication (One-to-Many & Many-to-One)
- o Data Deduplication with High-Performance Index Engine
- o Hardware-Enabled Block Level AES 256 Volume Encryption
- o NAS – Support for CIFS/SMB and NFS Protocols
- o Fibre Channel SAN Target (Bundled 4Gb/8Gb/16Gb FC HBA)
- o VSS Agents Support

ISC 6GS-Class Series Hardware Features












- o Single or Dual Hexa-Core Storage Virtualization Engines
- o 16GB, 32GB or 64GB Data Packet & Command Queuing Cache for SSPP®
- o RAID 0, 1, 3, 5, 6, 10, 30, 50 and 60 with RAID Cache Battery Backup
- o 8 to 36 Hot-Swappable Disk Drives per Chassis
- o Choice of 6Gb/12Gb SATA, SAS, SSD or Tiered Storage
- o Scale Capacity with up to 10 Expansion Units per Node (12-Bay Appliances and Larger)
- o Supports 1Gb Copper, 10Gb RJ-45/CX4 Copper, SFP+, SR/LR Optical iSCSI Ports
- o One Gigabit Management Port
- o Redundant 80-PLUS® Certified Hot-Swappable Power
- o Dynamic Storage Expansion
- o Operating Temperature: 10° to 35°C (50°F to 95°F)
- o Relative Humidity: 8 to 90%, Non-Condensing

Tiered Storage

SSD	SAS	SATA	SATA
SSD	SAS	SATA	SATA
SSD	SAS	SATA	SATA
SSD	SAS	SATA	SATA

IP SANs, Simplified

The award-winning StoneFusion® Intelligent Network Storage Platform, StoneFly's patented storage networking architecture, simplifies storage implementation and management by using storage virtualization. IP SANs add storage and advanced storage services to the IP network, giving administrators powerful features without using Fibre Channel or other complex technologies. With StoneFly's iSCSI SAN appliances, administrators can increase storage utilization, consolidate storage resources, provision storage, control access to storage, and manage volumes. Advanced storage features include synchronous mirrors, replication, thin provisioning and snapshots. Enterprise-class upgrade options include encryption, deduplication, NAS and FC SAN target.

StoneFly ISC 6GS-Class Series	Internal Drives	Storage Capacities Base Unit (per chassis)	Form Factor & Dimensions	Power Requirements
ISC 6GS-Class Storage Appliances - 2.5" Disk Drives				
ISC-806SX 	Eight 2.5"	6Gb SAS 10k RPM: Up to 14.4TB 12Gb SAS 15k RPM: Up to 4.8TB 6Gb SSD: Up to 6.4TB No External Expansion	1U Rackmount 1.7" x 17.2" x 26.6" 43 x 437 x 676mm	Redundant 750W PS 80-PLUS® Gold Dual Power Cords
ISC-2406SX 	Twenty-Four 2.5"	6Gb SAS 10k RPM: Up to 43.2TB 12Gb SAS 15k RPM: Up to 14.4TB 6Gb SSD: Up to 19.2TB Supports up to 256 Drives (460 TB)	2U Rackmount 3.5" x 17.2" x 24.8" 89 x 437 x 630mm	Redundant 920W PS 80-PLUS® Platinum Dual Power Cords
ISC 6GS-Class Storage Appliances - 3.5" Disk Drives				
ISC-806S 	Eight 3.5"	6Gb SATA/SAS 7200RPM: Up to 64TB 6Gb SAS 10k RPM: Up to 14.4TB 6Gb SAS 15k RPM: Up to 4.8TB 6Gb SSD: Up to 6.4TB No External Expansion	2U Rackmount 3.5" x 17.2" x 25.5" 89 x 437 x 648mm	Redundant 740W PS 80-PLUS® Platinum Dual Power Cords
ISC-1206S 	Twelve 3.5"	6Gb SATA/SAS 7200RPM: Up to 96TB 6Gb SAS 10k RPM: Up to 21.6TB 6Gb SAS 15k RPM: Up to 7.2TB 6Gb SSD: Up to 9.6TB Supports up to 256 Drives (2 PB)	2U Rackmount 3.5" x 17.2" x 25.5" 89 x 437 x 648mm	Redundant 920W PS 80-PLUS® Platinum Dual Power Cords
ISC-1606S 	Sixteen 3.5"	6Gb SATA/SAS 7200RPM: Up to 128TB 6Gb SAS 10k RPM: Up to 28.8TB 6Gb SAS 15k RPM: Up to 9.6TB 6Gb SSD: Up to 12.8TB Supports up to 256 Drives (2 PB)	3U Rackmount 5.2" x 17.2" x 25.5" 132 x 437 x 648mm	Redundant 920W PS 80-PLUS® Platinum Dual Power Cords
ISC-2406S 	Twenty-Four 3.5"	6Gb SATA/SAS 7200RPM: Up to 192TB 6Gb SAS 10k RPM: Up to 43.2TB 6Gb SAS 15k RPM: Up to 14.4TB 6Gb SSD: Up to 19.2TB Supports up to 256 Drives (2 PB)	4U Rackmount 7" x 17.2" x 26" 178 x 437 x 660mm	Redundant 920W PS 80-PLUS® Platinum Dual Power Cords
ISC-3606S 	Thirty-Six 3.5"	6Gb SATA/SAS 7200RPM: Up to 288TB 6Gb SAS 10k RPM: Up to 64.8TB 6Gb SAS 15k RPM: Up to 21.6TB 6Gb SSD: Up to 28.8TB Supports up to 256 Drives (2 PB)	4U Rackmount 7" x 17.2" x 27.5" 178 x 437 x 699mm	Redundant 1280W PS 80-PLUS® Platinum Dual Power Cords
ISC 6GS-Class Expansion Units				
ISC-2406XE  2U / Twenty-Four 2.5"	ISC-1206E  2U / Twelve 3.5"	ISC-1606E  3U / Sixteen 3.5"	ISC-2406E  4U / Twenty-Four 3.5"	