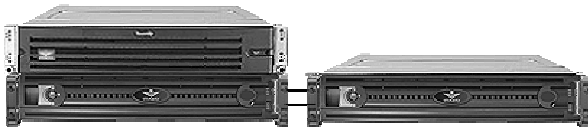





High-availability, Unified, Cloud Appliance

Cloud computing provides enormous opportunities for companies to speed up and cut costs by eliminating the heavy investment in IT capital and operating expenses. StoneFly Cloud USS™ Appliances provide a one stop solution to fulfill that need. With a series of scalable appliances from StoneFly, you can create a Private or Public cloud infrastructure to offer cloud computing services to your clients. StoneFly Cloud USS™ provides a new model of computing called infrastructure as a service (IaaS) and allows for complete hardware utilization and considerable reduction in power/cooling costs as well as the ability to allocate resources on an on-demand basis. Cloud computing is a major shift and an entirely new paradigm in datacenter computing. It delivers higher efficiency, limitless scale and faster and easier deployment of new services and systems to the end-user, thereby changing the economics of the datacenter by shifting the delivery of IT resources to an on-demand model. With

StoneFly Cloud USS™ Appliances	Cloud USS2000	Cloud USS7000
		
Architecture	Hot Swap Cloud Gateway & Virtual Servers Modules Active/Active Clustered IPSAN backend storage	Two Hot Swap Blades for Cloud Gateway Up to 12 Hot Swap Blades for Virtual Servers Active/Active Clustered IPSAN backend storage
Interface / External Ports	Standard: 6x1Gb Optional: 2x1Gb + 4x10Gb	Standard: 10x1Gb Optional: 10x1Gb + 10x10Gb
Storage Capacities per Cluster Controller	Standard: 6 drives, 6TB SATA-6Gb or 1.8TB SAS-6Gb Optional: - Up to 240TB SATA - Up to 72TB SAS-6Gb - Up to 28.8TB SSD	Standard: 8 Drives, 8TB SATA-6Gb or 2.4TB SAS-6Gb Optional: - Up to 320TB SATA - Up to 96TB SAS-6Gb - Up to 38.4TB SSD
Storage HW Raid	0,1,5,6,10,50,60 (Battery backed)	0,1,5,6,10,50,60 (Battery backed)



Backend IPSAN Storage Features:

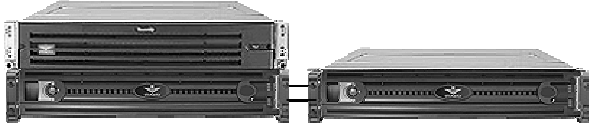

- iSCSI Based Storage Provisioning Appliance
- Active-Active Hot Swap IP SAN Cluster
- Scalable up to 120 drives (Cloud USS2000), 160 drives (Cloud USS7000) per cluster controller. Can have multiple of cluster controllers to achieve PB scalability
- Diverse HW Raid Options 0,1,5,6,10,50,60
- Redundant battery backed RAID cache protection
- Redundant Load balanced power supplies
- Jumbo frames, MPIO, Gigabit or 10Gb (copper or optical) iSCSI port teaming, failover, and load balancing
- Comprehensive IPSAN volume performance reporting and statistics
- StoneFusion utilizing up to 8 virtualization processors with 4GB of DATA Packet and command queuing cache
- Copy-on-write Snapshot with Read/Write, Scheduling, Rollback, and VSS agents for Exchange, SharePoint, SQL, backup SW, etc
- Synchronous iSCSI mirroring (Local or Campus)
- SAS/SATA/SSD Storage Tiering (Select your volumes from SAS, SATA, or SSD pools)
- Web based Intuitive User Interface
- On-demand, no downtime volume or storage expansion
- Asynchronous Replication/Mirroring
- Volume/block based Encryption (AES256)
- Thin Provisioning

Cloud Gateway Features:

- Fully Redundant
- On-demand Virtual Datacenter Hosting
- Dynamic Workload Management
- Broad Network Virtualization Capabilities
- Virtual Resource Management and Isolation
- Cloud Templates and Libraries
- End user GUI administration
- In-browser Console Access
- Virtual Machine Snapshots and Rollback
- Delegated Administration
- Service Management
- Administrative GUI
- Scalable Architecture
- Standards Based

Virtual Server Options:

- Microsoft Windows Cluster Server
- Windows Storage Server (WSS)
- Windows OS Server
- Linux Server
- Custom built Server

Physical specification	Cloud USS2000		Cloud USS7000	
				
Form Factor	4U, 19-inch Rackmountable	2U, 19-inch Rackmountable	12U, 19-inch Rackmountable	3U, 19-inch Rackmountable
Dimensions (HxWxD)	7" x 17.5" x 28.5" (177mm x 444mm x 724mm)	3.5" x 17.5" x 22.1" (88mm x 444mm x 561mm)	20.8" x 18.5" x 29" (527mm x 470mm x 737mm)	5.2" x 17.6" x 22.1" (131mm x 446mm x 561mm)
Weight	½ full: 152.4lbs (69.1Kg) Full: 159lbs (72Kg)	½ Full: 64.4lbs (29.2Kg) Full: 71lbs (32Kg)	½ full: 234.05lbs (106.25kg) Full: 242.9lbs (10.25Kg)	½ full: 76.05lbs (34.5kg) Full: 84.9lbs (38.5Kg)
Max Power requirements	4 Power supplies/cords 100VAC@19.5A, 240VAC@9.5A, 50-60Hz	2 Power supplies/cords 100VAC@25A, 240VAC@12.5A, 50-60Hz	8 Power supplies/cords 100VAC@19.5A+ 240VAC@12A, Or 240VAC@21.5A, 50-60Hz	2 Power supplies/cords 100VAC@25A or 240VAC@12.5A, 50-60Hz
Max Temperature (operating)	10° to 35°C (50°F to 95°F)			
Relative Humidity (operating)	8 to 90%, non-condensing			

StoneFly, Inc.
www.StoneFly.com
www.iSCSI.com

Phone: 510.265.1616
 Fax: 510.265.1565
 Email: Sales@StoneFly.com

Headquarters
 21353 Cabot Blvd
 Hayward, CA 94545

San Diego Office
 6191 Cornerstone Court, #105
 San Diego, VA 92121