









Stonefly Scalable IP SAN Appliances	ISC-6GS Series		Voyager-TSC		Voyager-6GS		Voyager-FC (Used to be called OptiSAN)	
	 Base Unit (1604-6GS pictured)	 Expansion Unit (1604E pictured)	 Base Unit	 Expansion Unit	 Base Unit	 Expansion Unit	 Base Unit	 Expansion Unit
Common Features	<ul style="list-style-type: none"> - Thin Provisioning with Space Reclamation - Snapshot: Writeable, mountable - Synchronous Mirroring - Campus Mirroring (iSCSI mirroring) - Asynchronous Replication/Mirroring 		<ul style="list-style-type: none"> - Scheduled replication/snapshots - Online volume, storage expansion - Volume cloning - iSCSI port failover, teaming, load balancing - HW Raid 0,1,5,6,10,50,60 with battery backup 		<ul style="list-style-type: none"> - Jumbo frame support - Encryption, Volume/Block based, AES 256 - High Performance - Web based GUI - VSS HW provider / snapshot agents 			
iSCSI Ports- Base unit	Standard: 5x1Gb Optional: 7x,9x,11x1Gb, 1x,2x,4x,8x10Gb (CX4, SFP+ Copper, SR/LR Optical)		Standard: 6x1Gb Optional: 10x1Gb, 2x,4x,8x10Gb (CX4, SFP+ Copper, SR/LR Optical)		Standard: 6x1Gb Optional: 10x1Gb, 2x,4x,8x10Gb (CX4, SFP+ Copper, SR/LR Optical)		Standard: 6x1Gb Optional: 10x1Gb, 2x,4x,8x10Gb (CX4, SFP+ Copper, SR/LR Optical)	
Hot Swap Power Supplies	Base Unit or Expansion Unit: 2		4	2	6	2	6	2
# of Hot Swap Drives per unit (SATA,SAS,SSD)	ISC804-6GS: 4, 8 ISC1604-6GS/E: 8, 16 ISC2404-6GS/E: 12, 24 ISC3604-6GS: 18, 36		TSC12: 6, 12 TSC16: 8, 16	TSC12: 6, 12 TSC16: 8, 16	½ full: 8 Full: 16	½ full: 8 Full: 16	½ full: 8 Full: 16	½ full: 8 Full: 16
SATA/SAS-3G/6G-7200RPM Capacity (Raw) (Terabytes)	ISC804-6GS: 4, 8, 12, 16, 24 ISC1604-6GS/E: 8, 16, 24, 32, 48 ISC-2404-6GS/E: 12, 24, 36, 48, 72 ISC3604-6GS: 18, 36, 54, 72, 108		TSC12: 6,12,24 TSC16: 8,16,32	TSC12: 6,12,24 TSC16: 8,16,32	½ full: 8, 16, 24 Full: 16, 32, 48	½ full: 8, 16, 24 Full: 16, 32, 48	½ full: 8, 16 Full: 16, 32	½ full: 8, 16 Full: 16, 32
SAS-15K Capacity (Raw) (Terabytes)	ISC804-6GS: 1.2, 1.8, 2.4, 3.6, 4.8 ISC1604-6GS/E: 2.4, 3.6, 4.8, 7.2, 9.6 ISC2404-6GS/E: 3.6, 5.4, 7.2, 10.8, 14.4 ISC3604-6GS/E: 5.4, 8.1, 10.8, 16.2, 21.6		<u>TSC12:</u> 1.8, 2.7, 3.6, 5.4, 7.2 <u>TSC16:</u> 2.4, 3.6, 4.8, 7.2, 9.6	<u>TSC12:</u> 1.8, 2.7, 3.6, 5.4, 7.2 <u>TSC16:</u> 2.4, 3.6, 4.8, 7.2, 9.6	½ full: 2.4, 3.6, 4.8 Full: 4.8, 7.2, 9.6	½ full: 2.4, 3.6, 4.8 Full: 4.8, 7.2, 9.6	½ full: 2.4, 3.6, 4.8 Full: 4.8, 7.2, 9.6	½ full: 2.4, 3.6, 4.8 Full: 4.8, 7.2, 9.6
SSD Capacity (Raw) (GigaBytes)	ISC804-6GS: 960, 1920, 3840 ISC1604-6GS/E: 1920, 3840, 7680 ISC2404-6GS/E: 2880, 5760, 11520 ISC3604-6GS: 4320, 8640, 17280		<u>TSC12:</u> 1440,2880, 7200 <u>TSC16:</u> 1920,3840, 9600	<u>TSC12:</u> 1440,2880, 7200 <u>TSC16:</u> 1920,3840, 9600	½ full: 1920, 4800 Full: 3840, 9600	½ full: 1920, 4800 Full: 3840, 9600	½ full: 1920, 4800 Full: 3840, 9600	½ full: 1920, 4800 Full: 3840, 9600
Rack space Requirements	ISC804-6GS: 2U ISC1604-6GS/E: 3U ISC2404-6GS/E: 4U ISC3604-6GS: 4U		TSC12: 4U TSC16: 5U	TSC12: 2U TSC16: 3U	5U	3U	5U	3U
Storage Interface Speed	Quad-6G-SAS→24Gbps		Redundant Quad-3G-SAS→24Gbps		Redundant Quad-6G-SAS→48Gbps		Redundant 8G-FC→16Gbps	
Active/Active	No		Yes		Yes		Yes	
Software Upgrade	Offline		Online		Online		Online	
Max # of drives	108 (Base Unit + Expansion Units)		TSC12: 120, TSC16: 160 (Base Unit + Expansion Units)		448 (Base Unit + Expansion Units)		448 (Base Unit + Expansion Units) Peta Bytes with a Fibre Channel Switch	
Campus cluster mirror	No		No		No		Yes	