

Stratus[®] ftStorage[™] Fibre Channel Array

Stratus[®] ftStorage D570 Fibre Channel array provides a highly flexible RAID storage solution for the ftServer family that evolves to meet your changing needs. Based on a modular, "building block" enclosure design, ftStorage hardware offers exceptional scalability. Each enclosure supports up to 14 drives in a dense 3U form factor. As your storage needs grow, simply add ftStorage D580 expansion enclosures dynamically—up to a total of 3 enclosures. The ftStorage Fibre Channel array can be scaled in multiple dimensions, enabling flexible configuration of capacity, performance, and functionality, to match and grow with your application and IT environment.

The ftStorage solution is designed for maximum availability, with redundant, hot-swappable RAID controllers, port bypass circuitry and environmental monitoring, power supplies, power connections, advanced cooling modules, and a battery-protected mirrored write cache.

Innovative modular architecture. The ftStorage Fibre Channel array is based on a modular, state-of-the-art design. Modular hardware allows users to quickly and cost-effectively optimize individual storage solutions to their changing needs, applications, and network environments by adding component "building blocks". The result is a universal solution for enterprises seeking flexible storage systems that address current and future needs, as well as unexpected changes.

Stratus high-availability storage software. Stratus storage software enables easy configuration, monitoring and tuning of storage solutions, either locally or remotely. Notification utilities alert administrators to system irregularities. A user-friendly, browser-based GUI provides a comprehensive, graphical view of your storage system, enabling pre-emptive troubleshooting to minimize downtime. Stratus high availability software keeps applications running through fault detection, automatic path failover, and I/O rerouting.

24 x 7 worldwide service. Stratus ensures the performance and availability of your ftStorage solution through our industry-leading 24 x 7 service infrastructure. This powerful electronic infrastructure is enhanced by a global team of service professionals who focus on predictive system management to resolve issues before they become critical problems. Our multi-tiered ftService[™] programs for the ftServer series enable you to tailor a service solution that meets the specific needs of your business.

Microsoft Gold Certified Partner for Support Services*. Stratus has been awarded Microsoft's highest level of certification for quality and customer satisfaction based on our ability to provide high availability for Windows[®] 2000.

* Certified in the United States of America.

Benefits

- Dual active FC RAID controllers provide high performance and availability
- Modular architecture enables flexible configuration to any application
- Stratus high availability software increases data and application availability
- Dense enclosure with 14 drives in a 3U form factor
- Scalable to 3.0 TB (42 drives)
- Fault-tolerant storage using redundant, hot-swappable components
- Highly integrated into Stratus ftServer family
- Industry-standard 19-inch rackmount configuration



ftStorage™ Fibre Channel Array.

flexible modular RAID solution for
ftServer systems.

Specifications	ftStorage D570
RAID Controller	
Host Interface	2 Fibre Channel modules with 2 connections per module, 100 MB/s each (200 MB/s total)
Disk Drive Interface	Dual, Independent Fibre Channel loops, 100 MB/s each (200 MBs total)
RISC Processor	StrongARM SA 110 @ 233 MHz
Hardware XOR	Yes
Cache Memory	128 MB
Processor Memory	32 MB
Flash Memory	2 MB
ECC Memory Support	Yes
Controller Features	
	Dual Active Automatic, transparent failover/failback Cache Coherency Mirrored write cache Write through, write back or read-ahead cache support per logical device Variable cache line size Battery backup for cache Controller to controller communications across back-end loops Online RAID expansion
RAID Level Support	
RAID 0, 1	RAID 0, 1, 0/1, 3, 5
RAID 3, 5	2 - 16 drives
RAID 0/1	3 - 16 drives
	Mirrored equal stripes of 4 - 8 pairs
System	
Maximum Drives/Capacity per Enclosure	Up to 14 drives/1 TB
Maximum Drives/Capacity per System	Up to 42 drives/3.0 TB
Redundant, Hot-swappable Components	2 RAID controllers 2 loop resiliency and SES (SCSI) enclosure services modules Up to 14 drives 2 AC power supply modules 2 independent power inlets 2 advanced cooling modules
Rackmount Enclosure Dimensions	Height: 5.22 inches (13.3 cm) Width: 17.50 inches (44.5 cm) Depth: 20 inches (50.8 cm) Weight: 60 lbs (29.5 kg) maximum
Windows 2000 Operating System	Advanced Server
Disk Drives	
Capacity	36.7 GB, 73.4 GB
Rotational Velocity	10K RPM
Form Factor	3.5 inches
Height	1.0 Inch
Interface	Fibre Channel
AC Power	
Input Voltage	Autoranging, 85/264 VAC
Input Frequency	47/63 HZ
Power Factor Correction	Per EN61000-3-2
Input Current	100-240 VAC @ 10-5 A
Output Power	853 W peak, 673 W average
Dual Power Cords	Yes



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