

# Stratus ftScalable Storage Family



## Open fault-tolerant storage platform supports ftServer systems and x86 servers from other suppliers, enabling common storage management and 24/7 service

### ftScalable storage: fault-tolerant protection of critical data

Stratus® ftScalable™ storage solution packs innovative availability features into an economical, scalable, 2U powerhouse. This high-performance, modular array addresses dedicated, shared, and networked storage requirements for a wide range of x86 platforms — allowing you to dynamically configure and grow your system as quickly as the needs of your business dictate.

Optimized for performance-oriented applications that generate I/O-intensive or high-bandwidth data traffic, the ftScalable storage solution is an ideal alternative to more costly solutions. Its large capacity and superior availability assures customers in public safety, financial services, manufacturing, healthcare, telecommunications, travel/transportation and other markets of long-term investment value. In these markets, the ftScalable storage array can play an integral role in critical application solutions or serve as a key element in disaster recovery, business continuity, or regulatory compliance strategies.

Within the subsystem, different RAID levels can be mixed, bringing you even more flexibility to address present and future storage needs as well as any unexpected changes. A browser-based GUI provides a comprehensive graphical view of the array. Fully supported phone-home capabilities will link you directly to our support experts the instant any problems are detected.

ftScalable storage also supports connection of suitably-configured, non-Stratus systems from major suppliers such as Dell, HP and IBM. Businesses that standardize on Stratus' high-performance ftScalable storage solution can extend continuous availability and ease of management to their entire application suite.

Uptime. All the time.



## Innovative availability features in an economical, scalable 2U powerhouse

### Uptime Assurance features

Like other members of our ftServer® product family, the fault-tolerant ftScalable storage solution is designed for continuous uptime.

Redundant components, integrated automatic controller failover, and hot standby features combine with multi-path I/O support to ensure maximum data integrity and protection.

Next-generation cache technology significantly increases the system's cache performance and provides battery-free power loss protection.



**Stratus ftScalable storage offers dynamic capacity expansion of up to three shelves.**

### DupliCache™ mirroring technology

DupliCache technology improves cache mirroring performance by as much as 50 percent over traditional approaches. Write data sent to the first RAID controller is concurrently mirrored to the second controller in an active-active pair. The memory bus is used just once to write the data as opposed to multiple passes in conventional systems. These features significantly increase bandwidth and result in extremely low write-back latencies.

### EnviroStor™ technology

EnviroStor eliminates the need for battery backup in the event of power failure through long-lasting capacitor-based technology that charges faster, and meets RoHS and WEEE environmental standards.

### 24/7 worldwide solution services

Remote support capabilities, made possible by the Stratus ActiveService™ Network, enables our service engineers to diagnose, troubleshoot and resolve problems online. In addition to providing 24/7 global technical support, Stratus is focused on offering a full range of professional and managed services that allow you to capitalize on our twenty-five plus years of availability expertise – throughout your solutions lifecycle.

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Uptime. **All the time.**

## System

### Specifications

	ftScalable Storage	ftScalable Storage G2
<b>STORAGE SYSTEM SUMMARY</b>		
Chassis configuration	2U, 12 Large Form Factor (LFF) drives	2U, 24 Small Form Factor (SFF) drives
Maximum chassis modules	3	3
Maximum disks	36	72
Maximum capacity per chassis	5.4 TB / 12 TB: SAS / SATA	3.5 TB / 24TB: 15K SAS / 7.2K SAS
Maximum capacity (full array)	16.2 TB / 36 TB: SAS / SATA	10.5 TB / 72 TB: 15K SAS / 7.2K SAS
Host connectivity	(2) 4Gb Fibre Channel host ports per controller	(2) 8Gb Fibre Channel ports or 10Gb Ethernet host ports per controller
High-performance cache technology	DupliCache; EnviroStor	DupliCache; EnviroStor
Snapshot technology	16 snapshots (standard)	1000 snapshots (optional)
<b>DRIVE TYPE</b>		
	300 GB: 15K SAS 450 GB: 15K SAS 1 TB 7.2K SATA	146 GB: 15K SAS 300 GB: 15K SAS 1 TB: 7.2K SAS 200 GB: SAS SSD (SLC)
<b>RAID LEVEL SUPPORT</b>		
RAID 0	Data striped across drives	Data striped across drives
RAID 1	Mirror disks (drive pairs)	Mirror disks (drive pairs)
RAID 10	Data mirrored, then striped	Data mirrored, then striped
RAID 3	Block-level striping with dedicated parity	Block-level striping with dedicated parity
RAID 5	Block-level striping with distributed parity	Block-level striping with distributed parity
RAID 6	Block-level striping with double distributed parity	Block-level striping with double distributed parity
RAID 50	Block-level striping with distributed parity combined with block striping	Block-level striping with distributed parity combined with block striping
<b>AVAILABILITY FEATURES</b>		
Redundant components	RAID I/O modules; power supplies/fans	RAID I/O modules; power supplies/fans
Hot standby spare	Yes	Yes
Automatic controller failover	Yes	Yes
Multi-path I/O support	Yes	Yes
<b>SERVICEABILITY</b>		
Hot-swappable, field serviceable	Drives, RAID I/O modules; power supplies/fans	Drives, RAID I/O modules; power supplies/fans
<b>SUPPORTED OPERATING SYSTEMS</b>		
Red Hat® Linux®	Red Hat Enterprise Linux® 4 and 5	Red Hat Enterprise Linux® 5 and 6
Microsoft® Windows®	Windows Server® 2008 & 2003	Microsoft Windows 2008 R2
VMware®	vSphere™ 4	vSphere™ 4 and 5
<b>POWER AND PACKAGING</b>		
Input voltage	100 - 240 VAC; 50 Hz, 60 Hz 4.0A max. per input, 400W	100 - 240 VAC; 50 Hz, 60 Hz 4.5 max. per input, 436W
Enclosure dimensions (H x W x D)	3.5" (2U) x 17.6" x 22.5" (rackmount)	3.5" (2U) x 17.6" x 23.6" (rackmount)
Weight (fully loaded)	33.6 kg (74 lbs.)	27.2 kg (60 lbs.)
Environmental	RoHS-compliant; WEEE-compliant	RoHS-compliant; WEEE-compliant

Specifications and descriptions are summary in nature and subject to change without notice.

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