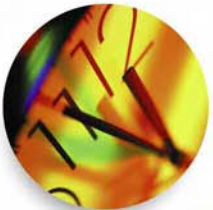# Stratus® ftServer® 4400 System

Continuous Availability

Operational Simplicity

Financial Advantage

The Stratus® ftServer® 4400 system brings leading price/performance and premier continuous availability to a mid-range server designed for computing environments built around a range of enterprise operating systems. Delivering 99.999% and greater uptime, this modular server harnesses the dual core Intel® Xeon® processor to achieve high-performance processing power in an affordable 1- or 2-socket system.

Designated "Best Fault-Tolerant Server" for InfoWorld's 2008 Technology of the Year Awards, the ftServer 4400 system is the perfect choice for space-constrained data centers, remote offices, and *lights-out* settings where business continuity is essential. Customers have rapidly adopted the 4400 architecture to support dedicated business processing solutions that include: public safety computer-aided dispatch (CAD), financial services ATM/POS, call/contact center and manufacturing operations management.

The versatile 4400 system is available in rack-optimized or pedestal packaging. This fourth-generation system builds on the impressive reliability of ftServer technology. Improvements in physical design and increased use of modular, industry-standard components are further enhanced by the availability, performance, and security features offered by the Microsoft® Windows Server™ 2003 and the Red Hat® Enterprise Linux® 4 and VMware® Infrastructure 3 operating systems.

Continuous Processing® features

Like other members of the industry-standard ftServer family, the model 4400 comes complete with Stratus Continuous Processing features that eliminate operational complexity and high costs inherent in high-availability approaches such as clusters. Your enterprise gains superior uptime protection without having to modify applications — and without the need for failover scripting, repeated test procedures, or extra effort to make your applications cluster-aware.

Lockstep technology

Replicated, fault-tolerant hardware components process the same instructions at the same time. In the event of a component malfunction, the partner component is an active spare that continues normal operation. There is no system downtime and no data loss.

Failsafe software

Our failsafe software works in concert with lockstep technology to prevent many software errors from escalating into outages. Other software issues are captured, analyzed, and reported to Stratus. This allows support personnel to take a proactive approach to correcting software problems before they recur. Even in-memory data is constantly protected and maintained. Stratus' hardened device drivers add yet another level of reliability to the operating system environment on ftServer systems.

ActiveService™ architecture

ftServer systems constantly monitor their own operation. Remote support capabilities — made possible by the global Stratus ActiveService Network — enable our service engineers to diagnose, troubleshoot, and resolve problems online as if they were on-site. If needed, the 4400 system automatically orders its own customer- or field-replaceable parts.

Stratus®
ftServer™

ftServer 4400 systems: industry-leading uptime, big performance for enterprise applications

ftServer 4400 system specifications

PROCESSORS	
Logical processors	1- or 2-socket
Processor	Dual core Intel® Xeon® processor 2.00 GHz
Cache	4 MB L2
Front side bus	1333 MHz
MEMORY	
Min/max memory	2 Gb/12 GB DDR2; 667 MHz FBDIMM
I/O SUBSYSTEM	
PCI slots	6 PCI-X; or 2 PCI-Express and 4 PCI-X
STORAGE SUBSYSTEM	
Internal disk drives supported	250 GB, 500 GB (7200 RPM) SATA 73 GB, 146 GB (15K RPM) SAS
Base system drive slots	6
ftSCALABLE STORAGE SUBSYSTEM	
Expansion drive slots (RAID)	36
RAID Levels	0, 1, 3, 5, 10, 50
EMBEDDED I/O	
10/100/1000 Ethernet	2 dual port
DISK	3 internal channels
DVD-R/W	2
Serial port	2
USB port	3
MANAGEABILITY	
Baseboard Management Controller	standard
Virtual Technician Module (VTM)	2 optional (Windows and Linux only)
PCI ADAPTERS	
Fibre Channel (Stratus ftScalable™ Storage)	2 optional
Fibre Channel (EMC)	up to 4 optional (Windows and Infrastructure 3 only)
1000 Base-T/SX dual port Ethernet	up to 6 optional
Ultra320 tape	up to 2 optional
SERVICEABILITY	
Hot-swappable components	CPU / I/O module, disks
OPERATING SYSTEMS	
Microsoft	Windows Server 2003 Enterprise Edition
Red Hat	Red Hat Enterprise Linux 4 (64-bit)
VMware	Infrastructure 3
POWER AND PACKAGING	
Input voltage	Rack: 100-240 VAC; 50 Hz, 60 Hz Pedestal: 100-230 VAC; 50 Hz, 60 Hz
Rack system dimension (H x W x D)	7.0" (4U) x 17.5" x 30"
Pedestal system dimension (H x W x D)	23.25" x 12.88" x 31.38"
Weight (fully loaded)	Rack: 56.16 kg (123.8 lbs.) including rails Pedestal: 80.7 kg (178 lbs)

InfoWorld 2008 TECHNOLOGY OF THE YEAR AWARDS

The Smarter Approach to Uptime™

The ftServer 4400 system redefines price/performance for fault-tolerant departmental business processing. This mid-range server taps the power of the Intel's advanced dual-core technology.

Stratus® Technologies

www.stratus.com

intel Xeon inside™ Dual-core. Do more.

Designed for Microsoft® Windows® Server 2003

redhat ADVANCED PARTNER

vmware