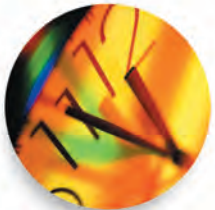


# Stratus ftServer 6310 System



## Total Availability

The fifth generation Stratus® ftServer® 6310 system is the industry's first fault-tolerant hex-core server based on the Intel® QuickPath Architecture. Built expressly to handle the most demanding workloads with ease, the top-of-the-line 6310 model delivers two to three times the performance of previous generation systems. And, as you've come to expect from Stratus, the 6310 system delivers greater than 99.999% uptime for Microsoft® Windows Server® 2008 and Red Hat® Enterprise Linux® application environments.



## Operational Simplicity

Powered by two high-performance, hex-core Intel® Xeon® processors, the 6310 system achieves outstanding levels of processing power through the use of integrated memory controllers, hyper-threading technology and high-speed interconnects for connecting processors and other components. These no compromise features make it the perfect choice for enterprise-class applications or transaction-intensive data center solutions. Such environments include server virtualization, database engine, electronic funds transfer, online banking, electronic medical records, supply chain, cloud computing and enterprise resource planning.



## Financial Advantage

The scalable, modular design of the ftServer 6310 system combines maximum space efficiency and reliability with serviceability features not found in alternative solutions. These physical design improvements are further enhanced by the availability, performance, and security features offered by the operating systems.

### Continuous Processing features

Like other members of the industry-standard ftServer line, the ftServer 6310 system comes complete with Stratus Continuous Processing® features that eliminate operational complexity and high costs inherent in 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 ftServer 6300 system automatically orders its own customer- or field-replaceable parts.



ftServer systems are for organizations with mission-critical applications that must always be protected against downtime and data loss. The ftServer 6310 delivers continuous application availability using purpose-built fault-tolerant hardware, failsafe software and customer care services that together provide a complete solution unmatched by competitors' availability offerings.



#### Uptime. All the time.

Stratus' top-of-the-line server excels in applications that demand higher I/O throughput and in settings with growing or unpredictable workloads.



## ftServer 6310 system specifications

<b>PROCESSORS</b>	
Logical processors	2-sockets (per CRU)
Processor	Intel® Xeon® processor X5670, 2.93 GHz
Cores	6 per processor
L2 cache	12 MB per processor
Intel QPI speed	6.4 GT/s
Maximum memory bandwidth	64 GB/s
Advanced technology	Intel Hyper-Threading technology
<b>MEMORY</b>	
Min/max memory	8 GB/96 GB DDR3
DIMM slots	24 (12 per CRU)
<b>I/O SUBSYSTEM</b>	
Integrated PCI adapter slots	4 PCI-Express (2 per CRU)
Optional PCI-adapter slots	4 PCI-Express (Gen 2)
<b>STORAGE SUBSYSTEM</b>	
Internal system drive bays	16 SAS 2.5" (8 per CRU)
Internal SAS disk drives supported	15 K (73 GB, 146 GB); 7.2 K (500 GB)
<b>ftSCALABLE STORAGE</b>	
Expansion drive slots (RAID)	72
RAID levels	0, 1, 3, 5, 6, 10, 50
<b>EMBEDDED I/O</b>	
10/100/1000 Ethernet ports	4 (2 per CRU)
10/100 Management Ethernet ports	2 (1 per CRU)
DVD-R/W	1
Serial (com) ports	2 (9-pin ports per system)
USB 2.0 ports	4 (3 on rear, 1 on front per system)
<b>MANAGEABILITY</b>	
Baseboard management controller	standard
Integrated Virtual Technician Module (VTM)	standard
Graphics adapter	1 VGA port per system
ActiveService modem	1 on rear panel (optional)
<b>PCI ADAPTERS</b>	
1 Gigabit dual-port Ethernet	up to 8 optional (4 per CRU)
10 Gigabit Ethernet server adapter	up to 4 optional (2 per CRU)
SAS 8-port host bus adapter for tape	up to 1 optional (non-redundant)
Fibre Channel for external storage	up to 4 optional (2 per CRU)
<b>SERVICEABILITY</b>	
Hot-swappable components	CPU / I/O module, disks
<b>OPERATING SYSTEM</b>	
Microsoft	Windows Server 2008 R2 with Hyper-V™ virtualization
Red Hat	Red Hat Enterprise Linux 5
<b>POWER AND PACKAGING</b>	
Input voltage	Rack: 100-127, 200-240 VAC; 50 Hz, 60 Hz
Rack system dimension (H x W x D)	7.0" (4U) x 17.5" x 30.1" with bezel and modem
Weight (fully loaded including rails)	Rack: 54.43 kg (120 lbs.)

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

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