ftServer®
Platform Solutions

A high performance **continuous availability** platform for always-on applications.

Stratus'® ftServer—complete with hardware, software and service—is an operationally simple platform that will keep your applications up and running with no downtime or data loss.

In today's business world, seconds matter. Downtime of critical applications, such as financial transactions, industrial automation and other vital infrastructure, has wide ranging economic, security and legal consequences. For these applications, recovering from a failure, no matter how fast it may be, is simply not an option. This is where an always-on continuously available solution that *proactively prevents* application downtime and data loss is required.

That solution is the ftServer platform from Stratus Technologies, which enables you to achieve all these goals and more. Stratus' ftServer prevents downtime and data loss before it occurs, without a performance hit to your systems or applications. Leveraging the latest Intel processor technology and supporting Windows®, Linux® and virtualization technology (VMware, Hyper-V™ and KVM), ftServer's always-on capabilities are achieved with advanced lockstep technology and real-time management and monitoring. This operationally simple solution is quickly and easily installed and is serviced by system generated replacement parts ordering. Famous for its longevity—giving you the miles you need out of your system, ftServer runs and keeps on running, eliminating the need for frequent technical refreshes.

Key benefits

- **Achieves unmatched business continuity** and data integrity by preventing downtime
- **Simplifies operations** with easy installation, configuration and management
- **Supports standard operating systems** (Windows and Linux) working seamlessly with existing system management tools and applications
- **Virtualizes with ease for optimal efficiencies** with support for VMware, Hyper-V and KVM
- **Delivers outstanding serviceability** with automatic ordering and replacement, hot plug and play, and 24/7/365 system monitoring—eliminating the need for IT intensive resources
- **Promotes long term value** with system longevity, minimizing the need for frequent technical refreshes

In the data center and at the edge of the network, in conventional or virtualized environments, the ftServer delivers identical levels of continuous availability supported by a 24/7/365 award-winning worldwide support organization. With a 35 year track record, Stratus remains the proven leader in continuous availability.

"If I had to give three words to describe our Stratus experience, it would be reliability, configurability and sustainability."

Steve Adams, Columbia Pipeline Group
Lead Automation Electrical Engineer

ftServer features

Every aspect of the ftServer—hardware, software and service—is designed to prevent unplanned downtime so you can rest assured that your critical applications are always on. Your organization gains superior continuous availability without the need for failover scripting, repeated test procedures or any extra effort to make applications cluster-aware.

Lockstep Technology

Unique to the industry, ftServer's mirrored hardware components process the same instructions in "lockstep"—at the same exact time. In the event of a component malfunction, the mirrored component continues processing without missing a beat.

Simplified Configuration

ftServer provides a "single system view" that presents and manages replicated ftServer components as a single system image. Applications run without modification and only a single copy of software is required. With one system view, installation, configuration and management is simplified.

System Generated Replacement Ordering

Hot-swappable customer replacement units (CRUs) are easily replaced, without user intervention or any special tools, while ftServer and your applications continue to run.

Flexible Storage

ftServer provides flexible storage options to meet all your data requirements including redundant internal storage, external ftScalable™ Storage Arrays and industry standard SANs.

Embedded Monitoring

The Automated Uptime Software Layer™ identifies, manages and takes corrective action on failed components before they impact operations by monitoring more than 500 system components.

Performance Monitoring

Automatically detect system performance issues on premise with continuous monitoring of your hardware, operating systems, software applications and remote devices.

Remote Availability Management & Service

Our award winning service with unmatched customer satisfaction has made us the envy of the industry.

Business Continuity, Data Integrity and the Highest Level of Availability

ftServer 2800

Affordability for stable, fixed standalone applications.

ftServer 4800

Versatility for rapidly growing/evolving applications.

ftServer 6800

High performance for transaction-intensive database applications.

Stratus®

For an **Always-On** World

www.stratus.com

Professional Services

Stratus' Professional Services team is here to help you in many ways. Our portfolio encompasses a range of technology-enabled services that include comprehensive development and support for end-to-end, multi-vendor environments. These capabilities allow you to supplement your IT resources with customized solutions that address your unique business requirements.

Call on us for focused, modular services delivered by experts devoted to planning and implementing systems that protect the availability of your business operations. Our trusted availability advisors work with your staff to perform technology assessments, make recommendations and implement solutions. Most importantly, we help you define and manage an availability strategy and business continuity plan that exceeds business line requirements and industry compliance standard.

ftServer System Specifications	2800	4800	6800
Processors			
Logical processor	1-socket per customer replaceable unit (CRU)	1-socket per customer replaceable unit (CRU)	2-sockets per customer replaceable unit (CRU)
Processor	Intel® Xeon® processor E5-2630v3, 2.4 GHz	Intel® Xeon® processor E5-2670v3, 2.3 GHz	Intel® Xeon® processor E5-2670v3, 2.3 GHz
Cores	8 (per processor)	12 (per processor)	12 (per processor)
L2 cache	20 MB (per processor)	30 MB (per processor)	30 MB (per processor)
Intel QPI speed	8.0 GT/s	9.6 GT/s	9.6 GT/s
Maximum memory bandwidth	59.7 GB/s	59.7 GB/s	119.4 GB/s
Advanced technology	Intel Hyper-Threading	Intel Hyper-Threading	Intel Hyper-Threading
Memory			
Min/max memory	8 GB / 128 GB DDR4	16 GB / 256 GB DDR4	32 GB / 512 GB DDR4
DIMM slots	16 (8 per CRU)	16 (8 per CRU)	32 (16 per CRU)*
I/O Subsystem			
Integrated PCIe® adapter slots	4 PCIe 3 x4 (2 per CRU)	4 PCIe 3 x4 (2 per CRU)	4 PCIe 3 x4 (2 per CRU) 4 PCIe 3 x8 (2 per CRU)
Optional PCI adapter slots	N/A	4 PCIe 3 x8 (2 per CRU)	N/A
Storage Subsystem			
Internal system drive bays	12 Gb SAS 2.5" (8 per CRU)	12 Gb SAS 2.5" (8 per CRU)	12 Gb SAS 2.5" (8 per CRU)
Internal SAS disk drives	Please visit **www.stratus.com/ftserver/disks** for a complete list of supported disk drives		

* 64 GB / 1 TB for VMware systems

ftServer System Specifications	2800	4800	6800
ftScalable Storage Subsystem			
Expansion drive slots (RAID)	Up to 144	Up to 144	Up to 144
RAID levels	1, 5, 6, 10	1, 5, 6, 10	1, 5, 6, 10
Drive types	Please visit **www.stratus.com/ftserver/disks** for a complete list of supported disk drives		
Embedded I/O			
10/100/1000 Ethernet ports	4 (2 per CRU)	4 (2 per CRU)	4 (2 per CRU)
10 Gb Ethernet ports	N/A	4 (2 per CRU)	4 (2 per CRU)
10/100 Management Ethernet ports	2 (1 per CRU)	2 (1 per CRU)	2 (1 per CRU)
DVD-R/W	1	1	1
Serial (com) ports	2 (9-pin) ports per system	2 (9-pin) ports per system	2 (9-pin) ports per system
USB ports	4 USB 2.0 and 4 USB 3.0 (non-redundant)	4 USB 2.0 and 4 USB 3.0 (non-redundant)	4 USB 2.0 and 4 USB 3.0 (non-redundant)
Manageability			
Baseboard management controller	Standard	Standard	Standard
Virtual Technician Module (VTM)	Standard	Standard	Standard
Graphics adapter	1 VGA port per system	1 VGA port per system	1 VGA port per system
PCI Adapters			
1 Gb dual-port Ethernet	Up to 4 optional (2 per CRU)	Up to 8 optional (4 per CRU)	Up to 8 optional (4 per CRU)
10 Gb dual-port Ethernet server adapter	N/A	Up to 4 optional (2 per CRU)	Up to 4 optional (2 per CRU)
12 Gb SAS 8-port host bus adapter for tape	Up to 2 optional (non-redundant)	Up to 2 optional (non-redundant)	Up to 2 optional (non-redundant)
16 Gb Fibre Channel for external storage	Up to 4 optional (2 per CRU)	Up to 4 optional (2 per CRU)	Up to 4 optional (2 per CRU)
Serviceability			
Hot-swappable components	CPU / I/O module, disks	CPU / I/O module, disks	CPU / I/O module, disks
Operating System			
Microsoft	Windows Server 2012 R2 and 2008 R2 with Hyper-V™ virtualization	Windows Server 2012 R2 and 2008 R2 with Hyper-V™ virtualization	Windows Server 2012 R2 and 2008 R2 with Hyper-V™ virtualization
Red Hat Enterprise Linux Server	RHEL 7	RHEL 7	RHEL 7
VMware	vSphere 6	vSphere 6	vSphere 6
Power and Packaging			
Input voltage	100-127, 200-240 VAC; 50 Hz, 60 Hz	100-127, 200-240 VAC; 50 Hz, 60 Hz	100-127, 200-240 VAC; 50 Hz, 60 Hz
System dimension (H x W x D)	7.0" (4U) x 17.5" x 30.1" with bezel	7.0" (4U) x 17.5" x 30.1" with bezel	7.0" (4U) x 17.5" x 30.1" with bezel
Weight (fully loaded including rails)	54.43 kg (120 lbs.)	54.43 kg (120 lbs.)	54.43 kg (120 lbs.)

Find out more

For more information, or to purchase Stratus products, call 1-800-STRATUS, or visit **www.stratus.com**.

Stratus®

www.stratus.com