Stratus ftServer V Series 4408 System

Stratus servers running the OpenVOS operating system are highly valued for their ability to deliver industry-leading uptime assurance. The V Series 4408 combines the stability of the OpenVOS operating system with the power of eight Intel® Xeon® processor cores.

The V Series 4408 features a dual modular redundancy (DMR) hardware architecture engineered to provide greater than 99.999% uptime right out of the box. V Series 4408 servers are designed for high volume business applications—delivering outstanding performance at a compelling price.

Taking advantage of the performance and capacity of V Series servers couldn’t be simpler. You benefit from familiar VOS functionality that includes the availability protection you’ve come to rely on. Moving your mission-critical applications to V Series servers is easy and uncomplicated. Your existing Continuum®-based applications can be migrated by recompiling the application. Or call on Stratus Professional Services experts to assist with the migration.

After migrating, you’ll find that ftServer V Series systems and applications will interoperate with your installed PA-RISC® servers running VOS. The same exceptional serviceability you are accustomed to—including server self-monitoring, the Stratus Remote Service Network (RSN™), and Assured Availability™ service coverage*—continues to defend against unplanned downtime around the clock.

**Continuous Processing features**

Like other Stratus systems, V Series servers use Continuous Processing® technology to safeguard uptime without the operational complexity and added costs inherent in high-availability clusters. Built-in fault tolerance eliminates the failover scripting, repeated testing, and application changes required with server clusters.

**Lockstep technology**

With Stratus’ 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 acts as an active spare that continues normal operation. There is no system downtime and no data loss.

* Customers must have a Stratus Assured Availability Services Agreement in effect to receive coverage

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V Series 4408 systems combine the stability of OpenVOS with the power of eight Intel® Xeon® processor cores.
Stratus mission-critical services and Open Source software products extend V Series functionality and value

**OpenVOS operating system**

V Series servers run Stratus’ OpenVOS operating system, providing unprecedented levels of uptime. OpenVOS contains a POSIX programming interface, GNU Tools and C/C++ compilers. This Open Source package provides Linux® and UNIX® programmers with a familiar development environment. OpenVOS 17.1 also includes Kona, an implementation of the Java® programming language. Kona is based on the OpenJDK® source code.

**Uptime-protecting service**

Stratus V Series servers are designed to continuously monitor their own operation. If a problem is detected, the server correctly isolates the condition, and automatically opens a call that tells the Stratus support center exactly what action to take. Remote support capabilities — made possible by the system’s design and the worldwide Remote Service Network — enable our service engineers to troubleshoot and resolve problems online more than 95% of the time. The system also automatically orders its own hot-swappable replacement part when necessary.

### SOFTWARE PRODUCTS

#### FOR V SERIES SYSTEMS

- Kona (based on OpenJDK source code)
- Apache® Web Server with PHP
- MySQL™ database
- IBM® WebSphere MQSeries® 6 software
- OpenSSL and OpenSSH
- Samba file server: (for Microsoft® Windows® compatibility)
- EMANATE® SNMP agent
- BRASS™ SNMP Server
- SightLine™ performance management tools
- Enterprise Backup Agent (NDMP)
- JAM® application manager
- Open StrataNET® / StrataLINK®
- Transaction Processing Facility (TPF)
- Forms Management System (FMS)
- X.25 / X.29 Network Facility
- GNU industry-standard compilers and tools
- COBOL compiler
- PL/I compiler
- FORTRAN compiler
- ANSI C compiler
- RADIUS authentication protocol
- IPsec and IKE
- RPC / XDR

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Uptime. All the time.
### ftServer V Series 4408 system specifications

#### PROCESSORS / MEMORY
- **Logical processors**: 2-sockets (per CRU)
- **Processor**: Intel® Xeon® processor E5504, 2.0 GHz
- **Cores**: 8 (per CRU)
- **L2 cache**: 4 MB shared per processor
- **Intel QPI speed**: 4.8 GT/s
- **Min/max memory**: 4, 8, 12 GB

#### I/O SUBSYSTEM
- **PCI adapter slots**: 8 PCI-Express (4 per CRU)

#### STORAGE SUBSYSTEM / RAID ARRAY
- **RAID configuration from factory**: RAID 1
- **Maximum chassis modules**: 3 logical, 6 physical
- **Disk drives supported**: 73GB, 146GB (2.5" 15K RPM SAS)
- **Maximum disks**: 72 physical
- **Maximum capacity per chassis**: 3.5 TB
- **Host Interface**: 8 Gbps Fibre Channel
- **Fibre Channel switches**: 2 (8 Gbps switched fabric)

#### EMBEDDED I/O
- **10/100/1000 Ethernet ports**: 4 (2 per CRU)*
- **DVD-R/W**: 1
- **Serial (com) ports**: 2 (9-pin ports per system, console and RSN use only)

#### PCI ADAPTERS
- **Fibre Channel**: 2 included in base configuration (1 per CRU)
- **1 Gigabit 4-port Ethernet (Copper)**: up to 6 optional (3 per CRU)
- **1 Gigabit 4-port Ethernet Sx (Fiber)**: up to 4 optional (2 per CRU)
- **10 Gigabit 2-port Ethernet Sx**: 2 optional (1 per CRU)
- **Sync CompactPCI**: 8-port adapter (via NIO)

#### SERVICEABILITY
- **Remote Service Network**: Standard
- **Hot-swappable components**: CPU and I/O modules, disks

#### OPERATING SYSTEM
- **OpenVOS**: Version 17.1 or later

#### POWER AND PACKAGING
- **Input voltage**: 200-240 VAC; 50 Hz, 60Hz
- **Cabinet**: Stratus supplied 38U
- **Weight**: 567 kg (1,250 lbs.)

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* One pair of ports are available on non-NIO configurations, none are available on NIO configurations

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

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