

Stratus ftServer V Series 6512 System



V Series 6512 systems combine the stability of OpenVOS with the power of twelve Intel®Xeon® processor cores

Stratus servers running the OpenVOS operating system are highly valued for their ability to deliver industry-leading uptime assurance. The V Series 6512 combines the stability of the OpenVOS operating system with the power of twelve Intel®Xeon® processor cores.

The V Series 6512 features a dual modular redundancy (DMR) hardware architecture engineered to provide greater than 99.999% uptime right out of the box. The V Series 6512 handles unprecedented levels of online transaction processing (OLTP) for applications such as trading systems in financial services and point-of-sale (POS) debit- and credit-card authorization. With exceptional headroom for application growth, these servers ensure unequalled investment protection.

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.

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

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 AvailabilitySM 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.





High-volume OLTP

V Series 6512 systems handle unprecedented levels of transactions and offer exceptional headroom for application growth



ftServer V Series 6512 system specifications

PROCESSORS/MEMORY

Logical processors	2-sockets (per CRU)
Processor	Intel® Xeon® processor X5670, 2.93 GHz
Cores	12 (per CRU)
L2 cache	12 MB (shared per processor)
Intel QPI speed	6.4 GT/s
Min/max memory	8, 16 GB

I/O SUBSYSTEM

IPCI adapter slots	8 PCI-Express (4 per CRU)
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STORAGE SUBSYSTEM/RAID ARRAY

RAID configuration from factory	RAID 1
Maximum chassis modules	3 logical, 6 physical
Disk drives supported	300 GB (2.5" 15K RPM SAS) 400 GB Solid State Disk
Maximum disks	72 logical, 144 physical
Maximum disks per chassis	24 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) up to 6 optional (3 per CRU)
1 Gigabit 4-port Ethernet (Copper)	up to 4 optional (2 per CRU)
1 Gigabit 4-port Ethernet Sx (Fiber)	2 optional (1 per CRU)
10 Gigabit 2-port Ethernet Sx 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 17.1.1 or later
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POWER AND PACKAGING

Input voltage	200-240 VAC; 50 Hz, 60 Hz
Cabinet	Stratus Supplied 38U
Weight	567 kg (1,250 lbs.)

* 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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