

As competition for customer dollars heats up, the necessity for higher performance, extended scalability, and more availability has dramatically escalated. In order to not just survive, but grow a business, your enterprise must adapt to ever-changing business needs. This can only be accomplished if your enterprise is built upon a solid foundation that can withstand the constant pounding of business demands. Our Fujitsu® PRIMEPOWER™ servers have proven their worthiness over and over again in countless situations with an imperative for perfection. The demands on Solaris based servers have grown—and so have the availability, scalability, and performance of our next generation of Fujitsu PRIMEPOWER servers.

Servers You Can Continue to Count On

- Benchmark-winning performance
- Industry-leading price/performance
- Full family of Solaris-based servers
- Over 12,000 ISV applications available
- Next generation SPARC64™-V processors
- 500MHz+ ultra high speed data transfer with Fujitsu proprietary technology
- Hardware level instruction retry capability
- Source-synchronous datagram transfer for high I/O bandwidth
- New dual clock configuration with two clock transmitters and shared circuit configuration
- Full data path Error Correction Code
- Multipath, multi-level, high-performance switched crossbar architecture
- 133 GB/s crossbar bandwidth
- Proven cluster technology
- Industry's highest scalability to 128 processors
- Advanced partitioning technology in enterprise class servers
- Hotplug everything
- Cableless interconnect of components
- Fully redundant configuration
- Data center quality service and support

Reliability, Availability, and Serviceability (RAS)

As an added measure of safety, each component and bus are protected by either ECC or by a parity configuration. The SPARC64 V processor supports a hardware instruction retry function that automatically retries an instruction that has failed to execute, greatly enhancing the availability of Fujitsu PRIMEPOWER servers. In the unlikely event that a processor or memory fails, the system starts up by automatically isolating the faulty part using the Automatic System Reconfiguration (ASR) function. You may not be running at 100%, but it sure beats downtime.

High performance SPARC64 V processor

With large capacity cache, the high performance SPARC64® V processor performs advanced instruction level parallel processing using an out-of-order execution engine. By supporting ECC (Error Checking and Correction) on both primary and secondary cache, these entry-level servers give you the kind of performance you would expect from the world leader in Solaris Solutions.



Fujitsu Computer Systems Corporation

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PRIMEPOWER Servers from Fujitsu



The UNIX choice with Data Center credentials

- ***Mission-critical availability for business continuance***
- ***Peerless scalability for investment protection and growth***
- ***High performance to support massive data volumes and large numbers of users***

Choosing your next UNIX® server has never been easier—or more important.

Fujitsu prides itself as an industry leader for Solaris™ Operating Environment servers. With decades of always-on experience, we forged our expertise through positioning our customers solidly ahead of the competition. We turn IT expenditures into wise business decisions that track a fast return on your investment.

FUJITSU PRIMEPOWER SERVERS

Application Area	PRIMEPOWER MODEL 250		PRIMEPOWER MODEL 450			PRIMEPOWER 650	PRIMEPOWER 850	PRIMEPOWER 900	PRIMEPOWER 1500	PRIMEPOWER 2500
	Rackmount (2U)	Rackmount (4U)	Rackmount (4U)	Rackmount (7U)	Floor-Stand	Rackmount	Rackmount	Rackmount	Standalone Cabinet	Standalone Cabinet
	Computer Nodes	Computer Nodes	Computer Nodes	Computer Nodes	Computer Nodes	Computer Nodes	Computer Nodes	Enterprise Servers	Enterprise Servers	Enterprise Servers
CPU	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V
Type	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V	SPARC64-V
Number	1 to 2	1 to 2	1 to 4	1 to 4	1 to 4	1 to 8	2 to 16	2 to 16	4 to 32	8 to 128
L1 Cache	256 KB	256 KB	256 KB	256 KB	256 KB	256 KB/CPU	256 KB/CPU	256 KB/CPU	256 KB/CPU	256 KB/CPU
L2 Cache	2 MB	3 MB	2 or 3 MB	2 or 3 MB	2 MB	3 MB/CPU	3 MB/CPU	3 or 4 MB/CPU	3 or 4 MB/CPU	3 or 4 MB/CPU
Clock Speed	1.32 GHz	1.87 GHz	1.32/1.87 GHz	1.32/1.87 GHz	1.32 GHz	1.89/2.02 GHz	1.89/2.02 GHz	1.89/2.16 GHz	1.89/2.16 GHz	1.89/2.08 GHz
Partitions	No	No	No	No	No	No	No	Yes, up to 8	Yes, up to 15	Yes, up to 15
Bus Bandwidth (GB/s)	7.04 GB/s	7.04 GB/s	14.08 GB/s	14.08 GB/s	14.08 GB/s	13.8 GB/s	41.8 GB/s	43.5 GB/s	55.3 GB/s	133 GB/s
Maxium Memory	16 GB	16 GB	32 GB	32 GB	32 GB	64 GB	128 GB	128 GB	512 GB	512 GB
Memory Type	DDR1-SDRAM	DDR1-SDRAM	DDR1-SDRAM	DDR1-SDRAM	DDR1-SDRAM	ECC SDRAM	ECC SDRAM	ECC SDRAM	ECC SDRAM	ECC SDRAM
Disk Storage										
Internal Capacity	2	6	4	6	9	294 GB	588.0 GB	147 GB x 8 (in base cabinet) 147 GB x 16 (using 2 x PCI/Disk boxes)	147 GB x 16 (in base cabinet) 147 GB x 32 (using 2 x PCI/Disk boxes)	9.34 TB (with 32 PCI/Disk boxes) 147 GB x 4 drives per PCI/Disk box >414 TB
External Capacity						>198 TB	>198 TB	>198 TB	>198 TB	>198 TB
Maximum Capacity	882.0 GB (147 GB x 6)	882.0 GB (147 GB x 6)	558.0 GB (147 GB x 4)	882.0 GB (147 GB x 6)	882.0 GB (147 GB x 6)	Yes	Yes	Yes	Yes	Yes
Hot Swap	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maximum PCI slots	3	6	6	9	9	20	40	36	72	320
Onboard SCSI controller	SCSI ULTRA 320	SCSI ULTRA 320	SCSI ULTRA 320	SCSI ULTRA 320	SCSI ULTRA 320	UltraWide	UltraWide	UltraWide	UltraWide	UltraWide
Partitionable System	No	No	No	No	No	No	No	Yes	Yes	Yes
Redundant Components										
Power Supply	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fan	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Disks	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Preventive Maint Alerts										
CPU	Yes	Yes	Yes	Yes	Yes	Available	Available	Available	Available	Available
Memory	Yes	Yes	Yes	Yes	Yes	Available	Available	Available	Available	Available
HDD Disk	Yes	Yes	Yes	Yes	Yes	Available	Available	Available	Available	Available
Fan	Yes	Yes	Yes	Yes	Yes	Available	Available	Available	Available	Available
PSU	Yes	Yes	Yes	Yes	Yes	Available	Available	Available	Available	Available
Remote Diagnosis	XSCF (eXtended System Control Facility)					Available	Available	Available	Available	Available
Dimensions (WxDxH) (2U)	17.5 x 25.9 x 3.4 in. (444 x 657 x 87 mm)	17.5 x 26.8 x 6.9 in. (444 x 681 x 174 mm)	17.5 x 26.8 x 6.9 in. (444 x 681 x 174 mm)	17.5 x 27.2 x 12.1 in. (444 x 690 x 307 mm)	13.8 x 29.1 x 20.5 in. (350 x 740 x 520 mm)	17.3 x 30.7 x 13.9 in. (440 x 780 x 352 mm)	17.3 x 30.7 x 29.6 in. (440 x 780 x 752 mm)	17.3 x 30.7 x 29.6 in. (440 x 780 x 752 mm)	29.1 x 43.9 x 70.9 in. (740 x 1114 x 1800 mm)	64 CPU: 42 x 45 x 70.9 in. (1066 x 1144 x 1800 mm) 128 CPU: 42 x 70.4 x 70.9 in. (1066 x 1788 x 1800 mm)
Weight (lb./kg)	55 lbs. (25 kg)	99 lbs. (45 kg)	99 lbs. (45 kg)	132 lbs. (60 kg)	149 lbs. (68 kg)	176 lbs.* (80 Kg)	353 lbs.* (160 Kg)	353 lbs. (160 Kg)	1433/2205 lbs. (650/1000 Kg)	64 CPU: 1984 lbs (900 Kg) 128 CPU: 3416 lbs. (1550 Kg)
Environmental Conditions	41 - 95 degrees F (at 0 - 4950 ft.) [5 - 35 degrees C (at 0 - 1500 m altitude)]									
Temperature	20 - 80 %									
Humidity										
Operating System	Solaris Operating Environment 9 and 10									