

PRIMEPOWER 2500 Server

When your system has to perform under the most rigorous of business conditions, that's when you need the world-class features of PRIMEPOWER 2500. Like Primetime TV, your business operation must not only be available and fully-operating but it must also maximize your investment while servicing your customers. PRIMEPOWER 2500 is ready for your primetime applications.

Performance & Reliability

To ensure 24x7, full application performance and hassle-free operations Fujitsu has used its proven skills in both high-performance computing and mainframe reliability to deliver the most flexible, cost-effective and robust Solaris™ Operating system server possible. These systems are built to provide the best solutions for “mission critical” computing.

Manageability

Whether supporting your largest business application, consolidating your dispersed computing environment or planning for broadband internet business growth, PRIMEPOWER 2500 will meet your needs for power, flexibility and "mission-critical" service. Its reliability, integrated and autonomic management, clustered and virtualized computing environment and performance, have been proved time and again with the world's best application portfolio.

Flexibility

PRIMEPOWER 2500 systems deliver the world's highest scalability for the world's largest organizations, with reliability, availability and serviceability built into every component. New extended partitioning and dynamic system reconfiguration capability, with best-in-class administration, ensure maximum responsiveness to the day-to-day operational cycle.



The features of this server speak for themselves:

- Up to 1.82/2.08 GHz SPARC64™ V processors for maximum performance
- 133 GB/Sec crossbar switch bus technology for excellent linear scalability
- Up to 512 GB memory for application performance efficiency
- Extended partitioning and Dynamic reconfiguration for workload efficiency
- Mainframe pedigree reliability and availability for 24 x 7 operation
- Self-healing architecture, self-monitoring technology and hot-plug system extensions for minimum maintenance and “planned-downtime” reduction.

Specifications

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Type		Floor-stand
Processor	Type Clock speed Maximum quantity	SPARC64™ V 1.82/2.08 GHz 128 processors
Cache (per Processor)	Level 1 Level 2	256 KB/CPU (Instruction: 128 KB, Data: 128 KB) 3 MB for 1.82 GHz, 4 MB for 2.08 GHz
Main memory	Type Minimum capacity Maximum capacity Expansion unit	DDR SDRAM (Single chip fail recovery) 2 GB 512 GB *1 2 GB/4 GB/8 GB with ECC protection
Hard disk drives	Type Data rate Maximum capacity Expansion unit	Ultra SCSI Wide/SE 40 MB/s (sync. max) 18.8 TB with 32 PCI/Disk boxes (147.0 GB x 4 drives per PCI/Disk box) 36.4 GB/73.0 GB/147.0 GB
Drives	DVD-ROM drive Tape drive	No internal drive is supported. 1 x DVD-ROM drive is attached to the System Management Console No internal drive is supported. 1 x Tape drive is attached to the System Management Console
PCI Slots	Standard Maximum (with PCI/Disk box) Expansion unit	0 320 slots: 32 PCI/Disk boxes 10 slots: (3x33/66 MHz + 7x33 MHz): PCI/Disk box
Console	System Management Console	Minimum : 1 (Mandatory)
Standard Interfaces	LAN	1 port (100 Base-TX/10Base-T) : System board 2 port (100 Base-TX/10Base-T) : PCI Box
	Serial (RS232C)	1 port (Dsub 25 pin) : System board 2 port (Dsub 25 pin) : PCI Box
	RCI UPS	2 ports (RJ45 : 6 pin) 2 ports (Dsub 9 pin)
Dimension	Width x Depth x Height Maintenance area (Front x Rear x Left x Right)	64 processors : 1066 x 1144 x 1800 mm (42 x 45 x 70.9 inches) 128 processors : 1066 x 1788 x 1800 mm 42 x 70.4 x 70.9 inches 64 processors : 800 x 800 x 100 x 100 mm (32 x 32 x 4 x 4 inches) 128 processors : 800 x 800 x 200 x 100 mm (32 x 32 x 48 x 4 inches)
Weight		64 CPUs: 900kg (1,984 lb), 128 CPUs: 1550kg (3,416 lb)
AC power connection	Rated voltage Frequency Power draw Heat generation	200-240 VAC 50/60Hz -4% to +2% 6 kW: 1 System board to 40.0 kW: 16 System boards 21,600 kJ/h: 1 System board to 40.0 kW: 16 System boards
Environmental conditions	Temperature Humidity	41-95 °F (5-32° C) (at 0-1500m altitude) 20-80 %
Features	Redundant components Hot swap components Other functions	Power supply unit, Fan, System Control Facility Dual power feed option, Disk drive (with disk-mirroring software), Crossbar*2, System Clock *2 System board, Disk Drive, SCF, Power supply unit, Fan, PCI Adapter Calendar, Auto power control function

*1 32 Memory slot/System board Maximum capacity, 1 system: 512GB

*2 Supported by Static Degeneration