

PRIMEPOWER

PRIMEPOWER is the brand that brings together the world's fastest bus technology and the latest in SPARC® processor development to provide the best in value for money and system scalability in a Solaris™ operating environment.

PRIMEPOWER 2000

This highest performance server with up to 128 processors is the perfect solution for the integration of your current distributed server environment.

PRIMEPOWER 2000 extends that scalability by being Fujitsu's top performance SPARC server to date. With up to 128 new high performance Fujitsu SPARC64™ GP processors it delivers flexible system configuration and has the highest reliability and availability in its class. It achieves this through partitioning and the adoption of many important large system features previously only found in mainframe technology.

The international standard operating system "Solaris" has been chosen as the operation system for all PRIMEPOWER servers to provide the very best in platform management as well as access to all tier-one software vendors and over 12,000 world-class specialist ISVs.

■ High reliability

- **Processors:** SPARC64™ GP processors have ECC protection on all cache levels to minimize the possibility of processor failure.
- **System Control Facility:** An independent processor provides monitoring, instant detection and accurate notification of all system failures. Pre-failure warnings can also be detected and corrected and all functions can be remotely monitored.
- **Design Standards:** This high reliability systems, match mainframe standards in design and configuration. They also feature redundant and hot swappable components such as disks, power supplies, fans and even the System Control Facility. In addition the system can dynamically manage failures of CPU, memory and I/O bus allowing service continuation in a reduced configuration.

■ High performance/scalability

The new 64 bit RISC processor SPARC64™ completely conforms to the SPARC International V9 architecture standard. It also provides superior transaction performance by parallel instruction processing. Fujitsu's own high performance crossbar switch manages the inter-processor traffic across system boards and provides the world's best performance at up to 57.6GB/s. High system or peak load situations whether caused by OLTP, data warehousing or other channel intensive applications are all well managed by this superior bandwidth.

■ Flexible system configuration

The system can be partitioned to allow for flexible application configuration. Each partition is physically independent so systems previously distributed across multiple servers can easily be integrated into a single physical system. Adding partitions can accommodate additional services. This allows growth and the ability to accommodate new business functions. Moreover, the distribution of system resources (CPU and memory, etc.) for each partition is flexible and can be changed to meet the requirements of each application as it grows.

Specifications

PRIMEPOWER 2000

Model Name		PRIMEPOWER 2000		
Processor	Type	SPARC64™ GP		
	Clock rate	450MHz	563MHz	675MHz
	Quantity	8 to 128 processors		
Cache (per Processor)	L1	128KB (Instruction) + 128KB (Data)		
	L2	8MB (Common to instruction/data)		
Main Memory	Maximum	512GB		
	Error correction	ECC		
Disk	Internal maximum	4TB		
I/O slots		12 to 192 PCI slots		
Redundant components		Disk (mirrored or by the disk array device), Power unit, Fan, System Control Facility		
Hot-Swappable components		Disk, Power unit, Fan, System Control Facility, System Board ^(*)		
Other functions		Calendar function, Automatic power control function		
Dimensions: Width×Depth×Height		to 32 processors: 1,044×1,300×1,800mm (41.1×51.2×70.9") to 64 processors: 2,172×1,300×1,800mm (85.5×51.2×70.9") to 128 processors: 2,172×3,338×1,800mm (85.5×131.4×70.9")		
Weight		to 32 processors: 740kg (1,631 lb.) to 64 processors: 1,550kg (3,416 lb.) to 128 processors: 3,180kg (7,009 lb.)		

(*1) Require software support.



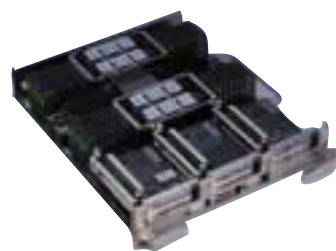
32CPU Configuration



64CPU Configuration



128CPU Configuration



System Board

Specifications are subject to change without notice. For the latest detailed information, contact your local representative. All brand names and product names are trademarks and registered trademarks of their respective holders.

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FUJITSU LIMITED

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