

Fujitsu: World's First UNIX Servers Using 90-nm Technology

June 25 2004

Latest SPARC Processors Deliver World's Highest Performance in Java Applications

Fujitsu Limited announced the launch of five new high-end and mid-range models in its PRIMEPOWER server lineup. The new products incorporate 1.89GHz(1) SPARC64™ V processors based on 90-nm semiconductor technology, offering a dramatic improvement in performance. The new models represent the world's first use of 90-nm technology in UNIX® servers.

The new PRIMEPOWER models continue to offer the superior reliability and scalability of previous models while delivering greatly enhanced performance. PRIMEPOWER servers are ideal for mission critical environments, creating new value for customers and enhancing their global competitiveness. The new models are being launched globally today through Fujitsu Limited in the Asia/Pacific region as well as Fujitsu Siemens Computers in Europe, the Middle East and Africa, and Fujitsu Computer Systems in North America.

Today's IT systems must offer superior reliability and be able to rapidly respond a variety of peak demand situations on a 24/7 basis. The five new high-end and mid-range PRIMEPOWER servers therefore feature the latest SPARC64 V processors to achieve greatly enhanced performance.

1.89GHz SPARC64 V processors are designed, developed, and

manufactured by Fujitsu, enhancing high-performance and high reliability. Employing cutting-edge 90-nm semiconductor technology and copper wiring technology based at the Akiruno Technology Center, Fujitsu's R&D center for advanced semiconductor technology in western Tokyo, these processors build on Fujitsu's long history of expertise in high-performance computing and high-reliability systems designs.

The new PRIMEPOWER servers hold several top benchmark performance records for the SPECjbb™2000 (Standard Performance Evaluation Corporation Java Business Benchmark 2000) benchmark for systems running Java-based business applications and the SPECint™_rate2000 benchmark, which appraises the integer arithmetic efficiency with a multiple processor constitution. As these performance records demonstrate (as of June 22, 2004), Fujitsu's PRIMEPOWER servers using the latest SPARC64 V processors deliver the highest processing performance for mission-critical enterprise systems.

The SPARC64 V processor also provides a range of built-in reliability functions, including highly accurate error detection, Error Checking and Correction, and instruction retry functions that include error correction and other high-precision RAS functions. These features, combined with hot-plug redundancy of major system components, such as the power supply unit and system board, give Fujitsu's PRIMEPOWER servers the superior reliability and availability required for 24/7 system operation.

The PRIMEPOWER series of UNIX servers are a core product line in Fujitsu's TRIOLE™ strategy for optimized IT. Aiming to meet the needs for open-standard IT infrastructure systems and improved business continuity and efficiency, Fujitsu TRIOLE strategy for IT optimization is designed to help corporations and public institutions expand the scope of their activities, quickly set up new operations, achieve system stability, and reduce total cost of ownership.

The new PRIMEPOWER servers are scheduled to be exhibited at the Fujitsu Solution Forum 2004 held at the Tokyo International Forum convention center from July 7 - 9.

Supporting Partner Quote

Related links

- SPEC home page: www.spec.org/
- Product introduction home page: www.fujitsu.com/primepower/

(1) 1.89GHz: PRIMEPOWER 650, 850, 900, and 1500 operate at the frequency of 1.89GHz, while PRIMEPOWER 2500 operates at the frequency of 1.82GHz.

The original press release can be found [here](#).

Citation: Fujitsu: World's First UNIX Servers Using 90-nm Technology (2004, June 25)
retrieved 7 May 2024 from <https://phys.org/news/2004-06-fujitsu-world-unix-servers-nm.html>

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