

PRIMEQUEST 520A



Based on Fujitsu's advanced technology and innovations, PRIMEQUEST is the IA server with real mission critical capability. The unique "Dual Synchronous System Architecture" underpins world-leading high availability and performance, providing you with the best in cost effective open business critical infrastructure. Whether operating large-scale systems, consolidating databases or servers, or delivering non-stop online transaction systems, PRIMEQUEST has the flexibility, performance and robust scalability you require. Built to Fujitsu's exacting TRIOLE IT environment strategy; secure business continuity (reliability/stability/availability), business agility (flexibility/scalability/performance), and business efficiency (asset protection/consolidation/manageability), make PRIMEQUEST the ideal solution for Windows and Linux 64-bit environments.

Reliability/Stability/Availability

PRIMEQUEST's "System Mirroring Feature" eliminates single points of failure. All main components support hot-swap and can be replaced without having to halt applications. Robust hardware isolation of partitions and independent I/O connection flexibility, ensure all changes are fully contained within each partition and do not effect any other processes.

Flexibility/Scalability/High Performance

Up to 8 high performance Dual-Core Intel® Itanium® processors, will support your most demanding applications. Partitioning, (with its separation of CPU, Memory and I/O) and "cable-less" design, enables a greater range of hot system changes and configurations. With PRIMEQUEST, CPU resources, I/O resources and cabling can always match changing demands, at your command.

Asset Protection/Consolidation/Manageability

PRIMEQUEST servers are designed to evolve in-line with Intel's Itanium processor roadmap; with existing CPUs supported across multiple generations. Your ability to choose standard Linux & Windows also means you can optimize your applications throughout their useful life. The special in-built management processors further simplify operation and give you much greater control over your server's workloads.

PRIMEQUEST 520A : Main Features

- Processors: Up to 8-Processors/16-Cores (Dual-Core Intel® Itanium® Processor)
- Crossbar performance: Max. 17.1GB/s per systemboard, 34.1GB/s peak bandwidth
- Memory: Max. 256GB
- Up to 4 partitions
- Best ever business continuity, efficiency and flexibility in an open systems server, based on mainframe-class reliability and performance design.

PRIMEQUEST 520A



Specifications

Model name		PRIMEQUEST 520A	
Type		Rackmount (12U)	
Processor	Type	Dual-Core Intel® Itanium® Processor	
	Processor# (Clock speed)	9150N (1.60GHz)	9120N (1.42GHz)
	Quantity	Max. 8 processors (16 Cores)	
Cache (per processor)	Level 3	24MB L3 Cache	12MB L3 Cache
Main memory		Max. 256GB (4GB x64)	
Hard disk drives	Maximum internal capacity	Max. 1.2TB (147GB 2.5inch x 8)	
Drives	Internal DVD-ROM drive	DVD-ROM (standard) x 1	
PCI slots		Max. 16 slots (using PCI_Box x 1)	
Standard interfaces	LAN	1000BASE-T x 4, 100BASE-TX x 1 ports	
	Serial	1 port (D-Sub 9pin) per partition	
	USB 2.0	2 ports per partition	
	UPS	2 ports (D-Sub 9pin)	
Dimensions	Height x Width x Depth	530 x 482 x 820 mm (20.9 x 19.0 x 32.3 inches)	
Weight		Max. 150kg (331lb)	
Power requirements	Operating voltage	200-240 VAC +/- 10%	
	Frequency	50/60Hz -4% to +2%	
Environmental specifications	Temperature	5-35°C (41-95°F) (at 0-1500m altitude)	
	Humidity	20 - 80 %	
RAS features	Redundant components	PSU, FAN, Disk, DIMM*, X-BAR* (* in System Mirror mode/Option)	
	Hot swap components	PSU, FAN, Disk, PCI Card, SB, IO Unit	
Supported OS		Red Hat® Enterprise Linux® AS (v. 4 for Itanium) Red Hat® Enterprise Linux® 5 (for Intel Itanium) SUSE® Linux Enterprise Server 9 for Itanium Processor Family SUSE® Linux Enterprise Server 10 for Itanium Processor Family Microsoft® Windows Server® 2003, Enterprise Edition for Itanium-based Systems Microsoft® Windows Server® 2003, Datacenter Edition for Itanium-based Systems Microsoft® Windows Server® 2008 for Itanium-Based Systems	

Specifications are subject to change without notice. For the latest detailed information, contact your local representative.

Intel and Itanium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation in the United States and other countries.

The official name of Windows is Microsoft Windows Operating System.

Linux is a trademark or registered trademark of Linus Torvalds in the United States and other countries.

Red Hat is a trademark or registered trademark of Red Hat, Inc. in the United States and other countries.

Red Hat Enterprise Linux is a trademark or registered trademark of Red Hat, Inc. in the United States and other countries.

SUSE is a registered trademark of Novell, Inc. in the United States and other countries.

All other company/product names mentioned herein maybe trademarks or registered trademarks of their respective holders and are used for identification purposes only.

CLASS 1 LASER PRODUCT



First edition, March 2008

FUJITSU LIMITED
<http://www.fujitsu.com/primequest>

This brochure was produced by waterless printing and utilizes Soy ink on FSC-certified paper.
 No hazardous substances were discharged during the process.

©2008 Fujitsu Limited
 All rights reserved
 Printed in Japan

BK0152-1AP