

# PRIMEQUEST 540A



PRIMEQUEST is the IA server that combines the business efficiency of an open system server with mainframe reliability. Fujitsu's unique high availability technology "Dual Synchronous System Architecture" delivers robustness and ideal infrastructure for mixed/consolidated Linux, Windows, 64-bit environments. Built in-line with Fujitsu's TRIOLE IT environment strategy aimed at securing business continuity (reliability/ stability/ availability); business agility (flexibility/scalability/performance); and business efficiency (asset protection/ consolidation / manageability), PRIMEQUEST 540A is the best solution for high performance and operational stability in its class.

## Reliability/Stability/Availability

PRIMEQUEST's 'System Mirror' design means no single point of failure. All main components are hot-swappable, and component replacement can be performed without an application halt. Robust hardware isolation of partitions and 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 16 high performance Dual-Core Intel® Itanium® processors, support your most demanding applications. Eight (8) partitions with separation of CPU, memory and I/O enable multiple applications to be independently scaled, resourced and reconfigured. You can mix scale-up and scale-out workloads in the same system "frame" using multiple systemboards and floating I/O resources. Standby partitions also allow take over of existing I/O processing for even higher availability & performance.

## 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. Use of standard Linux & Windows enables you to optimize your applications throughout their working lives. While the special in-built management processors further simplify operation of your consolidated server workloads.

## PRIMEQUEST 540A : Main Features

- Processors: Up to 16-Processors/32-Cores (Dual-Core Intel® Itanium® Processor)
- Crossbar performance: maximum 21.3GB/s per systemboard, 85.3GB/s peak bandwidth.
- Memory: Max. 1TB
- Up to 8 partitions
- Mainframe reliability and performance design in an open systems server for best ever business continuity, efficiency and flexibility.

# PRIMEQUEST 540A



## Specifications

Model name		PRIMEQUEST 540A	
Type		Floor-stand	
Processor	Type	Dual-Core Intel® Itanium® Processor	
	Processor# (Clock speed)	9150M (1.66GHz)	9130M (1.66GHz)
	Quantity	Max. 16 processors (32 Cores)	
Cache (per processor)	Level 3	24MB L3 Cache	8MB L3 Cache
Main memory		Max. 1TB (8GB x 128)	
Hard disk drives	Maximum internal capacity	Max. 2.4TB (147GB x 16)	
Drives	Internal DVD-ROM drive	DVD-ROM (standard) x 1	
PCI slots		Max. 64 slots (using PCI_Box x 4)	
Standard interfaces	LAN	2 ports (100BASE-TX), Max.16 ports (1000BASE-T), Max 4 ports (10GBASE-LR)	
	Serial	1 port (D-Sub 9pin) per partition	
	USB 1.1	4 ports (shared by partitions)	
	USB 2.0	2 ports per partition	
	UPS	2 ports (D-Sub 9pin)	
	SCSI	2 ports per IOU	
Dimensions	Height x Width x Depth	1800 x 740 x 1100 mm (70.9 x 29.1 x 43.3 inches)	
Weight		Max. 605kg (1,330lb)	
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*, MMB (* in System Mirror mode)	
	Hot swap components	PSU, FAN, Disk, PCI Card, SB, MMB, IOU	
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	

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CLASS 1 LASER PRODUCT



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