

# PRIMEQUEST 580A



PRIMEQUEST is the server that brings mainframe class reliability and scalability to the open platform world. It delivers the highest reliability and best performance possible. Fujitsu's outstanding high-availability "Dual Synchronous System Architecture" let's you deploy business critical environments for standard Windows & Linux applications in your data center. Built to Fujitsu's TRIOLE IT environment strategy, PRIMEQUEST secures business continuity (reliability/stability/availability); business agility (flexibility/scalability/performance), and business efficiency (asset protection/consolidation/ manageability). This is the stand-out solution for consolidation of mixed Windows, Linux, 64-bit operations.

## Reliability/Stability/Availability

PRIMEQUEST's 'System Mirror' design eliminates concerns over single points of failure. All main components support hot-swap, and can be replaced without application halt. Robust hardware isolation of partitions and I/O connection flexibility ensures all changes are fully contained within each partition and do not affect any other business processes.

## Flexibility/Scalability/High Performance

Up to 32-high performance dual core Processors/64-Cores (Dual-Core Intel® Itanium® Processor), will support your most demanding applications. A full sixteen (16) partitions and separation of CPU, memory and I/O enables multiple applications to be independently scaled, resourced and reconfigured. PRIMEQUEST is the ultimate in mixed scale-up and scale-out Windows and Linux workloads, with multiple systemboards and floating I/O resources enabling standby partitions to take over existing I/O configurations for faster restarts.

## 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. Standard Linux & Windows means you can optimize your applications throughout their working lives. Plus the special in-built management processors further simplify operation of consolidated workloads and reduce your operational costs.

## PRIMEQUEST 580A : Main Features

- Processors: Up to 32-Processors/64-Cores (Dual-Core Intel® Itanium® Processors)
- Crossbar performance: Maximum 21.3GB/s per systemboard, 170.6GB/s peak bandwidth
- Up to 2TB Memory
- Up to 16 partitions
- Mainframe reliability and high performance design, in an open system server for best-ever business continuity, efficiency and flexibility.

# PRIMEQUEST 580A



## Specifications

Model name		PRIMEQUEST 580A	
Type		Floor-stand	
Processor	Type	Dual-Core Intel® Itanium® Processor	
	Processor# (Clock speed)	9150M (1.66GHz)	9130M (1.66GHz)
	Quantity	Max. 32 processors (64 Cores)	
Cache (per processor)	Level 3	24MB L3 Cache	8MB L3 Cache
Main memory		Max. 2TB (8GB x 256)	
Hard disk drives	Maximum internal capacity	Max. 4.7TB (147GB x 32)	
Drives	Internal DVD-ROM drive	DVD-ROM (standard) x 1	
PCI slots		Max. 128 slots (using PCI_Box x 8)	
Standard interfaces	LAN	2 ports (100BASE-TX), Max.32 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 738 x 1100 mm (70.9 x 29.1 x 43.3 inches)	
Weight		Max. 730kg (1,610lb)	
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, IOU, MMB	
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



First edition, March 2008

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

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BK0154-1AP