

DL585 G2 achieves #1 SPECweb2005 world-record and crowns HP with the TOP 5 performance results



Aided by the latest 3.0GHz AMD Opteron™ Dual-Core processor, the HP ProLiant DL585 G2 claims the top score on the SPECweb2005 benchmark and all three SPECweb2005 sub-metrics.

Engineered with ProLiant reliability to provide enterprise-class uptime, the HP ProLiant 585 G2 defeats all top performing servers from Dell, Fujitsu Siemens, SUN, and IBM by at least 18%, proving that the HP ProLiant DL585 G2 server design excellence in combination with the AMD Dual-Core processor technology delivers superior performance for web serving environments.

The HP ProLiant DL585 G2

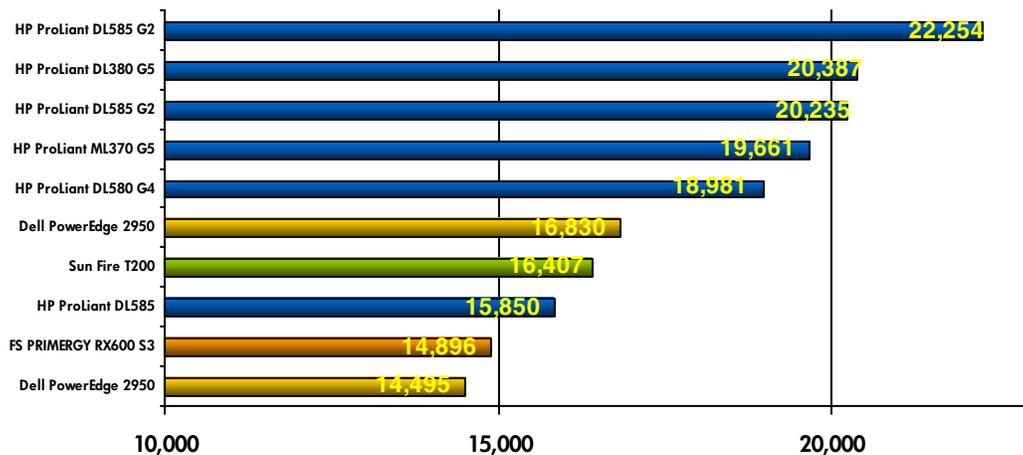
The ProLiant DL585 G2 now supports the new Next Generation AMD Opteron dual-core processor, further increasing the price/performance leadership of this system. Dual-Core AMD Opteron processors enable a huge boost in performance over previous generations by doubling the number of cores per processor socket.

The DL585 G2 follows the award winning legacy of the DL585 G1 and continues to maintain performance leadership, especially with a variety of 32-bit application benchmarks. The 128GB memory footprint enables most applications to run faster or support more users than other systems and with the inclusion of the latest processors the DL585 G2 has now been optimized for Virtualization. The DL585 G2 combines AMD Opteron processor technology, best-in-class management and outstanding uptime features in an enterprise-class system ideal for large data center deployments



These scores demonstrate the superior performance of the HP ProLiant DL585 for customers requiring a secure banking and ecommerce environment using the SSL protocol, and for customers using standard static HTTP requests.

SPECweb2005 result top 10



HP SFF SAS: leading the future of storage

The transition to SFF SAS drives is one of the most significant transitions in the industry's history, fueled by the biggest required leap in storage capacity ever experienced along with the need for faster access to stored data.



- **Higher reliability**
 - 1.7 million mean time between failures (MTBF) vs. 1.5 million for 3.5" SCSI
- **Better performance**
 - Serial point-to-point connections
 - More spindles per platform
- **Greater efficiency and improved thermals with SFF drives**
 - Half the power consumption – 9 Watts
 - SFF enables better airflow

HP Smart Array Controller P800

The HP Smart Array P800 is a 16 port, PCI-E SAS controller. It ships standard with 512MB cache, dual batteries and RAID 6 (ADG) support. This controller supports up to 108 hard drives and is the highest performing controller in the Smart Array portfolio.



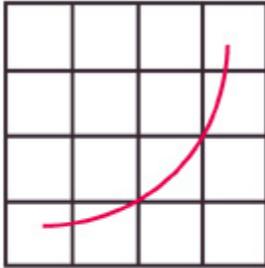
HP StorageWorks 70 Modular Smart Array



The HP StorageWorks 70 Modular Smart Array is an end-to-end flexible storage array, offering data availability, enhanced reliability, enhanced performance, and tiered storage capability with SAS and SATA drives and investment protection. Small and midrange business growing storage needs can be managed by deploying this low cost, flexible tiered storage system with up to 14.4TB capacity supporting SAS or SATA.

About SPECweb2005

This next-generation SPEC benchmark was designed by industry leading companies, including Hewlett-Packard, in order to evaluate the performance of state-of-the-art web servers. The three workloads, banking (https), e-commerce (https and http), and support (http) are designed to closely match today's real-world web server access patterns. Each workload measures simultaneous user sessions; however, the overall score of SPECweb2005 is unit-less. A server achieving a higher score represents a server with an overall better performance running all three workloads.



spec

SPEC, the SPEC logo, and the benchmark name SPECweb are registered trademarks of the Standard Performance Evaluation Corporation (SPEC). The SPEC logo is © 2007 Standard Performance Evaluation Corporation (SPEC), reprinted with permission. Herein two comparisons presented above are based on the top performing Intel 4-socket and all servers respectively. The competitive benchmark results stated herein reflect results published on www.spec.org as of May 29, 2007. For the latest SPECweb2005 benchmark results, please visit www.spec.org/web2005.

HP ProLiant DL585 G2 Configuration

The server was configured with 4 x 3.0GHz Dual-Core (8 cores/4 chips/4 cores per chip) AMD Opteron Model 8222SE processors and 64GB of main memory running Accoria Rock Web Server Software v1.4.1 (x86_64) on RedHat Enterprise Linux 4 Update 4. The ProLiant DL585 G2 also utilized the HP Smart Array P400i Controller, the Smart Array P800 Controller, and two Modular Smart Array 70 Enclosures for this benchmark.

For more information

SPEC Fair Usage
www.spec.org/fairuse.html

SPEC Trademarks
www.spec.org/spec/trademarks.html

SPEC Copyright
www.spec.org/spec/copyright.html

Accoria Networks, Inc.
www.accoria.com

Red Hat Linux
<http://www.redhat.com/hpc/>

HP ProLiant DL585 G2
www.hp.com/servers/proliantdl585

© 2007 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

June 2007

