**Key points for TPC @ 300 GB results**

- #1 performance among non-clustered results
- Beats IBM System x3950 M2 8-socket server by 99% – almost double
- Beats Sun Fire X4600 M2 8-socket server by 66%
- Beats IBM x3950 by 64% and Sun 4600 by 30% in price/performance
- Achieves 59% more performance than the DL785 G5 result at 40% better price/performance
- All for less than $2/QphH USD

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**Customer Value**

What are the benefits of using HP ProLiant servers for decision support query processes?

The new DL785 G6 with the latest six-core AMD Opteron™ processors has been designed as an excellent database server. Its balanced architecture with ample I/O and memory make it an ideal platform for ‘read-intensive’ decision support and business intelligence processes.

This latest result is one of many historical world record results that have been achieved by ProLiant servers on the TPC-H benchmark. HP posts a large number of results on the TPC-H benchmark, regularly updating benchmark standings. This shows the HP commitment to providing information that customers need for purchase decisions.

The TPC-H benchmark illustrates decision support systems that examine large volumes of data, execute queries with a high degree of complexity, and give answers to critical business questions. Many businesses find this benchmark useful in determining which servers will meet the performance demands of their business intelligence solutions.

More information about TPC-H results can be found at the following Web page: [http://www.tpc.org](http://www.tpc.org).

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**Figure 1. Top 4 non-clustered results on TPC-H @ 300 GB benchmark**

HP ProLiant DL785 G6 blazes past 90,000 QphH and aces the 8P competition!

[Graph showing performance comparison among HP ProLiant DL785 G6, IBM System x3950 M2, Sun Fire X4600 M2, and HP ProLiant DL785 G5.

Results as of 07-31-09.

Almost double the performance at less than half the cost]
Additional configuration data: The DL785 G6 was configured with 256 GB PC2-6400 memory (64 x 4 GB), 6 Smart Array P800 SAS RAID controllers and 12 HP StorageWorks MSA-70 enclosures with a total of 194 HP 72 15K 2.5” Single Port SAS drives for the database. The internal drive bays which housed the operating system drives were connected to the embedded P400 controller.

TPC information: The TPC Benchmark™H (TPC-H) is a decision support benchmark. It consists of a suite of business oriented ad-hoc queries and concurrent data modifications. The queries and the data populating the database have been chosen to have broad industry-wide relevance. This benchmark illustrates decision support systems that examine large volumes of data, execute queries with a high degree of complexity, and give answers to critical business question. The performance metric reported by TPC-H is called the TPC-H Composite Query-per-Hour Performance Metric (QphH@Size), and reflects multiple aspects of the capability of the system to process queries. These aspects include the selected database size against which the queries are executed, the query processing power when queries are submitted by a single stream, and the query throughput when queries are submitted by multiple concurrent users. The TPC-H Price/Performance metric is expressed as $/QphH@Size. A full disclosure report describing these benchmark results has been filed with the Transaction Processing Performance Council (TPC) and is available upon request. The full disclosure report describes the benchmark hardware and software configuration in detail, provides costs, and lists the code actually used to perform the test. Similar reports from other vendors are the source of the price/performance comparisons provided above. Summaries of all tests are published each month by the TPC and are also posted on the Internet on the TPC’s World Wide Web Server. With these benchmarks, customers can objectively compare the performance of different vendors' servers in specific areas.

For more information
TPC Benchmark is a trademark of the TPC. TPC: Results valid as of July 31, 2009. Complete results can be found at http://www.tpc.org.
HP ProLiant DL785: www.hp.com/servers/dl785
HP Storage: www.hp.com/go/serial
HP ProLiant Benchmarks: www.hp.com/servers/benchmarks