



# HP Integrity rx8640 Server sets #1 16p 1 TB TPC-H performance benchmark record with Windows® Server 2003 and SQL Server

Scalability doubles while cutting price/performance in half!

## The NEW HP Integrity rx8640:

### Superior performance

- #1 overall 16p performance result on TPC-H 1TB benchmark
- Almost twice as fast in performance than the Bull NovaScale 5160 16p
- 45% better than NEC's 32p Windows result while reducing price/performance by 60%

A full disclosure report describing these benchmark results has been filed with the Transaction Processing Performance Council (TPC) and is available upon request. This report describes the benchmark HW and SW 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 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.



Combined with the processor-enhancing capabilities of the HP Super-Scalable Processor Chipset sx2000, the HP Integrity rx8640 Server delivers outstanding performance, scalability, and simplified management at an exceptional value. With its latest TPC-H benchmark announced in July 2006, the HP Integrity rx8640 with the Dual-Core Intel® Itanium® 2 processor demonstrates a superior level of performance, functionality, and value within enterprise-class midrange servers.

The result, 33,488 QphH, at an outstanding price/performance of \$27.00/QphH is the #1 16p 1 TB TPC-H result across all operating systems and database environments.

Figure 1. The Dual-Core Itanium 2-based HP Integrity rx8640 16p/32c server defeats the Bull NovaScale 5160 16-processor AND the NEC Express5800 32-processor single-core Itanium 2-based servers.

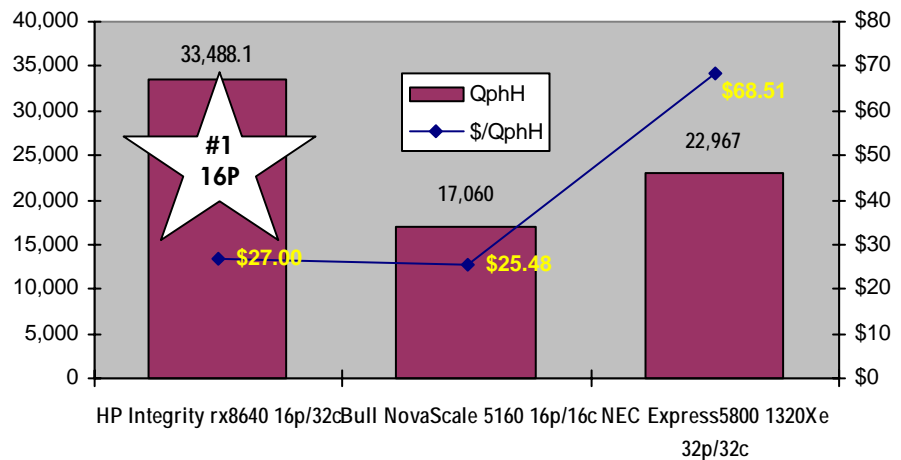


Table 1. Configurations of Integrity rx8640 and competitors

<p><b>HP Integrity rx8640.</b> 33,488.1 QphH@1TB, \$27.00/QphH@1TB. Available 10-01-06. 16 processors/32 cores/64 threads. Dual-Core Intel® Itanium®2® processors 1.6 GHz, 24 MB cache, 128 GB RAM, Microsoft® Windows 2003 Datacenter Edition SP1 and Microsoft SQL Server 2005 Enterprise Edition for Itanium-based systems SP1.</p>
<p><b>Bull NovaScale 5160.</b> 17,060 QphH@1TB, \$25.48/QphH@1TB. Available 5-08-06. 16 processors/16 cores/16 threads. Intel Itanium 2 processors 1.6 GHz, 6 MB L3 cache, 64 GB RAM, Microsoft Windows Server 2003 Datacenter Edition and Microsoft SQL Server 2005 Enterprise Edition 64-bit. <b>The Integrity rx8640 is almost twice as fast!</b></p>
<p><b>NEC Express5800/1320Xe.</b> 22,967 QphH@1TB, \$68.51/QphH@1TB. Available 12-07-05. 32 processors/32 cores/32 threads. Intel Itanium 2 processors 1.6 GHz, 9 MB L3 cache, 128 GB RAM, Microsoft Windows Server 2003 Datacenter Edition 64-bit and Microsoft SQL Server 2005 Enterprise Edition 64-bit. <b>The Integrity rx8640 is 45% faster at 60% less cost!</b></p>

For more information, please refer to HP Integrity rx8640 Server at: <http://h20341.www2.hp.com/integrity/cache/340168-0-0-225-121.html>  
TPC-H results valid as of July 24, 2006. Complete results can be found at <http://www.tpc.org>

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