HP ProLiant SL2x170z G6 is #1 on SPECpower_ssj2008 benchmark

HP Performance Brief

- HP takes top spot with scale-out server!
- #1 overall SPECpower_ssj2008 result

### Highest performing
The HP ProLiant SL2x170z G6 achieved #1 overall energy efficient performance on the SPECpower_ssj™2008 benchmark with a score of 2,316 overall ssj_ops/watt.

### Defeats the competition
- Beats IBM iDataPlex Server dx360 M2 result of 2,231 overall ssj_ops/watt by 3.8%.
- Beats Dell PowerEdge R610 result of 1,930 overall ssj_ops/watt by 20%.

### Business outcomes
HP knows how important it is for customers to have information for making purchase decisions with the best return on investment. HP results help customers understand the performance per watt across various workloads on the server and to compare scaling across server platforms with different numbers of processors.

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**Figure 1. Top overall performance**

ProLiant SL2x170z G6 scores 2,316 overall ssj_ops/watt

<table>
<thead>
<tr>
<th>Server</th>
<th>ssj_ops/watt</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP ProLiant SL2x170z G6</td>
<td>2,316</td>
</tr>
<tr>
<td>IBM iDataPlex Server dx360 M2</td>
<td>2,231</td>
</tr>
<tr>
<td>Dell PowerEdge R610</td>
<td>1,930</td>
</tr>
</tbody>
</table>

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**HP ProLiant SL2x170z G6 is the industry leader in energy efficiency**

Test results as of 11-06-09. For more details, please visit: [http://www.spec.org/power_ssj2008/results/power_ssj2008.html](http://www.spec.org/power_ssj2008/results/power_ssj2008.html)

**What are the benefits of using the HP ProLiant SL2x170z G6 for energy savings?**
The HP ProLiant SL6000 Scalable System uses a highly efficient and modular shared power & cooling infrastructure that enables a suite of pluggable server modules optimized around a standard 19” rack. Results on this benchmark further establish the outstanding efficiency that customers can achieved with the SL2x170x G6 server.
The HP ProLiant SL2x170z G6 server is part of a new family, HP ProLiant SL6000, of HP server solutions optimized for scale-out customers to greatly reduce costs, maximize power efficiency, by sharing power supplies and fans, and maintain total flexibility.

Four independent HP ProLiant SL2x170z G6 Servers, two per 1U tray, go into the 2U HP ProLiant z6000 G6 Chassis. Each server supports up to two Intel® Xeon® processors with 16 DDR3 DIMM sockets, 1 LFF SATA hard drives and support for a low profile x16 PCI-e Gen 2.

The HP ProLiant SL2x170z G6 is optimized for ultra dense environments.

What SPECpower_ssj2008 measures
SPECpower_ssj2008 is the first generation SPEC benchmark for evaluating the power and performance characteristics of server class computers. This measurement provides a way to compare the power/performance or energy efficiency of servers. As with previous SPECpower_ssj2008 benchmark world records, HP demonstrates that its ProLiant server family, built upon the latest industry-standard technology, is an industry leader in energy efficiency.

Currently, many vendors report some energy-efficiency figures, but these are often not directly comparable due to differences in workload, configuration, test environment, etc. SPEC defines server power measurement standards with the same keen attention to detail that it has applied to performance. This benchmark provides a means to measure power in conjunction with a performance metric, enabling IT managers to consider power characteristics to increase the efficiency of data centers. Being a Standard Performance Evaluation Corporation (SPEC) benchmark, SPECpower_ssj2008 is a peer-reviewed benchmark that provides a way for server vendors to compare benchmark results in a fair manner. More information about SPECpower_ssj2008 results can be found at the following Web page: http://www.spec.org. Results as of 11-06-09.

Technology for better business outcomes
To learn more, visit http://www.hp.com/servers/sl2x170z