The HP ProLiant DL585 G5 achieved #1 4-processor energy efficient performance on the SPECpower_ssj™2008 benchmark with a score of 763 overall ssj_ops/watt. SPECpower_ssj™2008 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.

No other vendor has submitted a four-socket result.

What SPECpower_ssj2008 measures

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 in the same way it has done for performance. Development of this benchmark provides a means to measure power in conjunction with a performance metric. This should help IT managers to consider power characteristics along with other selection criteria to increase the efficiency of data centers. Being a Standard Performance Evaluation Corporation (SPEC) benchmark, SPECpower_ssj™2008 is a consortium-policed benchmark that provides a way for server vendors to compare benchmark results in a fair manner.

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