

Dell PowerEdge R710 and R610: Performance per Watt Leaders

The PowerEdge R610 and R710 top the SPECpower benchmark - helping users get great performance and cut power use

The Dell™ PowerEdge™ R710 and R610 have the Best Performance per Watt¹

- The PowerEdge R710 and R610 offer a great balance of performance and energy efficiency
- Dell now holds top two single-node performance per watt positions on SPECpower—HP isn't even in the top five!¹
- Dell PowerEdge servers are designed to get the most out of every watt of energy!
- The popular PowerEdge R710 and R610 servers are key components of the efficient enterprise

TOP SINGLE NODE SPECPOWER PERFORMANCE PER WATT RESULTS AS OF JUNE 10, 2010

Rank	Company	System	Processors	Result (ssj_ops/watt)	Power Supply (W)
1	Dell	PowerEdge R710	Intel Xeon X5670, 2.93 GHz	2963	570
2	Dell	PowerEdge R610	Intel Xeon X5670, 2.93 GHz	2938	502
3	IBM	System x3650 M3	Intel Xeon X5670, 2.93 GHz	2927	675
4	Fujitsu	PRIMERGY TX300 S6	Intel Xeon X5670, 2.93 GHz	2900	800
5	Fujitsu	PRIMERGY RX200 S6	Intel Xeon X5670, 2.93 GHz	2850	450
6	IBM	System x3550 M3	Intel Xeon X5670, 2.93 GHz	2843	675
7	Fujitsu	PRIMERGY RX300 S6	Intel Xeon X5670, 2.93 GHz	2822	800
8	HP	ProLiant DL380 G6	Intel Xeon X5670, 2.93 GHz	2780	460
9	HP	ProLiant DL360 G6	Intel Xeon X5670, 2.93 GHz	2692	460
10	IBM	System x3400 M3	Intel Xeon X5670, 2.93 GHz	2660	670



Benchmark Description

SPECpower reports power consumption for servers at different performance levels — from 100-percent to idle in 10-percent segments — over a set period of time. The graduated workload recognizes the fact that processing loads and power consumption on servers vary substantially over the course of days or weeks. The results of the testing are presented “overall ssj_ops/watt.” The benchmark runs on a variety of operating systems and hardware architectures and does not require extensive client or storage infrastructure.



1 Based on published SPECpower single node performance results as of June 10, 2010. See <http://www.spec.org/> for current results.