

KEMP Power Play

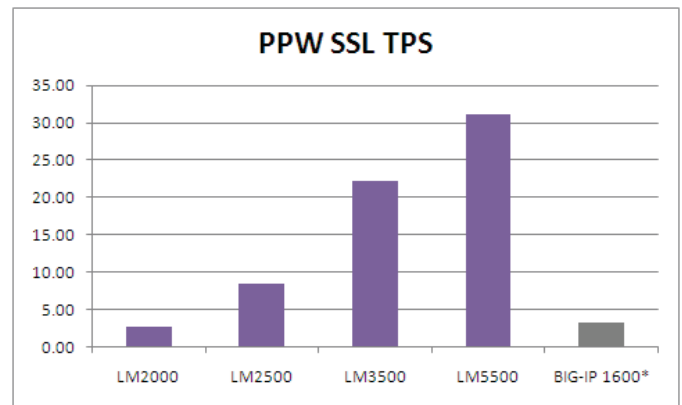
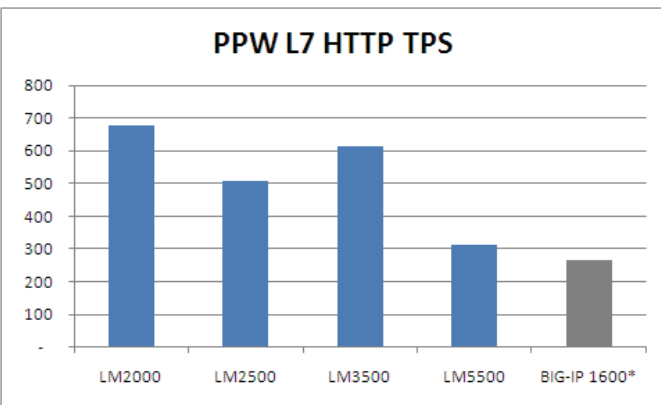
Maximizing Performance-Per-Watt in Application Delivery Appliances

One of the key design goals at KEMP Technologies is to build “Green”, highly energy efficient load balancing and application delivery appliances. As a result, KEMP is able to achieve industry-leading Performance Per Watt (PPW) ratings across its entire range of appliance platforms.

Performance Per Watt measures energy efficiency of a particular hardware device relative to a specific performance benchmark. By deploying appliances with PPW ratings that are maximized for a particular application, organizations can reduce operating costs associated with energy requirements needed to power and cool data center devices while achieving optimum

performance levels needed to satisfy application users. Examples of key performance benchmarks for web-facing applications would include “Requests Per Second” (L7 HTTP TPS) and SSL Transactions Per Second (SSL TPS). The data for PPW ratings, power consumption, cooling requirements and relative costs for all KEMP LoadMaster appliances are provided. For comparison, same data for F5 Network’s load balancer model BIG-IP LTM-1600* is also provided.

Spec.	Model	KEMP LM2000	KEMP LM2500	KEMP LM3500	KEMP LM5500	F5 BIG-IP LTM1600*
Max. Watts		37	118	135	322	150
BTUs/Hour		126	403	461	1100	512
L7 HTTP TPS		25,000	60,000	83,000	100,000	40,000
PPW L7 HTTP TPS		676	508	615	311	267
Standard SSL TPS		100	1,000	3,000	10,000	500
PPW SSL TPS		2.70	8.47	22.22	31.06	3.33
Annual Elec. Cost		\$34.52	\$110.09	\$125.95	\$300.41	\$140.02
MSRP Price		\$2,990	\$5,990	\$8,990	\$17,990	\$17,995



* Notes & Assumptions

Annual electric cost is based on 2007 national average cost of 10.65¢/kWh as published by DOE at <http://edocket.access.gpo.gov/2007/pdf/E7-5141.pdf>. PPW performance data for F5 Networks BIG-IP LTM-1600 obtained from <http://www.f5.com/pdf/products/hardware-ppw-comparison-1600.pdf>. All performance and comparison data is based on standard system configurations.