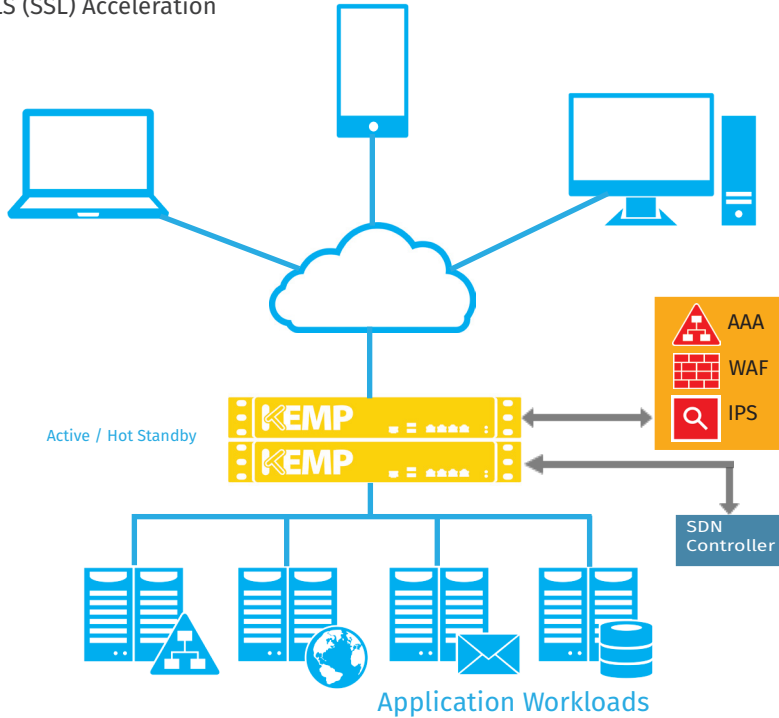


## KEMP LoadMaster™

- Intelligent Application Delivery
- Server Load Balancing
- TLS (SSL) Acceleration



KEMP LoadMaster™ is an advanced Layer 4-7 load balancing and content switching application delivery controller. Multiple deployment options provides users the flexibility to choose between hardware, virtual, hybrid cloud and server bare-metal LoadMasters, without sacrificing feature parity or management simplicity.

KEMP Technologies' LoadMaster™ line of Application Delivery Controllers integrates field-tested load balancer software with layer-7 content switching, SSL acceleration, application health checking, session affinity, caching, compression, web application firewall, intrusion prevention, pre-authentication and single sign-on.

Combining the latest advancements in Layer 4-7 application delivery technology with support for high-performance hardware and virtualization platforms, the LoadMaster™ is the load balancer of choice for providing high availability services in web, application and cloud infrastructures.

Investment Protection	Cost Containment	Ease of Use
<ul style="list-style-type: none"> <li>• A single Virtual LoadMaster™ can support up to 1,000 servers, offering scalability for growing environments</li> <li>• Time-tested software optimized to take advantage of the underlying platform</li> <li>• Advanced application delivery and security optimization features like content switching, web application firewall, caching, edge security, data compression, intrusion prevention and TLS (SSL) termination provide all of the functionality needed in virtualized application infrastructures</li> <li>• Native support for enterprise applications such as Microsoft Exchange, Skype for Business, Sharepoint, SAP, Oracle Enterprise Business server, Remote Desktop and the VMWare Horizon suite</li> </ul>	<ul style="list-style-type: none"> <li>• With competitive pricing and unbeatable performance to cost ratio, LoadMaster™ allows for shortened realization of ROI</li> <li>• Comprehensive product maintenance and support included for the first year with every LoadMaster™</li> <li>• Key functionality included in every LoadMaster's base price provides the most comprehensive feature set in the industry - further lowering TCO</li> <li>• With low overhead for training, administration and setup, LoadMaster™ allows for the quickest time to production for line of business and corporate wide applications and web services</li> </ul>	<ul style="list-style-type: none"> <li>• All LoadMasters™ come with an intuitive and simple to use Web User Interface (WUI) and CLI, enabling administrators to easily configure, maintain and integrate LoadMaster™</li> <li>• Wizard-driven setup and optimized configuration templates simplifies deployment in existing traditional datacenter and hybrid cloud infrastructures</li> <li>• Secure SSH and HTTPS WUI remote access, real time performance and availability metrics, SNMP support and REST API allows LoadMaster™ and the applications it supports to be easily managed and monitored to ensure the health and performance of the environment</li> </ul>



## LoadMaster™ Appliances



KEMP's rack-and-go hardware load balancers feature up to 30 Gbps throughput & ASIC-based SSL acceleration.

	LM-3000	LM-3400	LM-4000	LM-5600	LM-8000	LM-8020	LM-8020M
Throughput (Gbps)	1.7	3.4	8.0	11.0	20.0	30.0	30.0
Gigabit Ethernet Ports	4	8	2	4	0	0	0
10Gigabit Fiber Ports (SFP+)	N/A	N/A	2	2	6	8	8
TLS (SSL) TPS (2K Keys)	1,000	2,000	3,000	10,000	16,000	30,000	30,000
TLS (SSL) TPS (1K Keys)	2,000	4,000	6,000	17,000	25,000	46,000	46,000
Layer 4 Concurrent Connections (millions)	8.6	8.6	15.2	26.5	75.8	75.8	300.0
Real Servers/ Virtual Services Supported	1,000 500	1,000 500	1,000 1,000	1,000 1,000	1,000 1,000	1,000 1,000	1,000 1,000
Web Application Firewall pack (AFP) *	N/A	N/A	✓	✓	✓	✓	✓
Edge Security Pack TMG Replacement (Authentication, SSO)	✓	✓	✓	✓	✓	✓	✓
GSLB Multi-Site Load Balancing ‡	✓	✓	✓	✓	Included	Included	Included
High Availability Pairs	✓	✓	✓	✓	✓	✓	✓
LoadMaster Clustering	N/A	N/A	✓	✓	✓	✓	✓
HTTP Compression	✓	✓	✓	✓	✓	✓	✓
Content Caching	✓	✓	✓	✓	✓	✓	✓
RESTful API	✓	✓	✓	✓	✓	✓	✓
Redundant Hot-Swap Power Supply	N/A	N/A	N/A	✓	✓	✓	✓

Excludes HW Maintenance. Support options are Basic 5x10 phone / email support and software updates, or Premium 24x7 phone / email support, software updates, and advanced hardware replacement. Remote Deployment and onsite service options available.

\* AFP Subscriptions for daily commercial rules updates are available as an add-on.

‡ Feature supported via an add-on pack. Included as standard with the LM-8000, LM-8020, and LM-8020M

## LoadMaster™ for Bare Metal



As the only ADC vendor with bare metal operating system offerings, KEMP enables you to convert your Dell R Series, HP ProLiant DL, Fujitsu Server PRIMERGY, Oracle X4-2, or Cisco UCS B-Series and C-Series servers into a high performance L4-7 load balancer to support the most demanding of throughput and processing requirements.

	LMB-1G	LMB-2G	LMB-5G	LMB-10G
Max Balancer Throughput † *	Up to 1 Gbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps
TLS (SSL) Transactions Per Second (TPS) † *	Up to 1,000	Up to 1,000	Up to 10,000	Up to 20,000
Max Servers Supported / Virtual Clusters	1,000 256	1,000 1,000	1,000 1,000	1,000 1,000
Layer 4 Concurrent Connections	5,000,000	5,000,000	5,000,000	5,000,000
Layer 4/7 Load Balancing	✓	✓	✓	✓
Web Application Firewall Pack (AFP) ‡	✓	✓	✓	✓
Edge Security Pack TMG Replacement (Authentication, SSO)	✓	✓	✓	✓
GSLB Multi-Site Load Balancing ‡	✓	✓	✓	✓
Content Switching	✓	✓	✓	✓
Caching, Compression Engine	✓	✓	✓	✓
IPS (SNORT-Rules Compatible)	✓	✓	✓	✓
L7 Cookie Persistence (Active/Passive)	✓	✓	✓	✓
Optimized templates for all major application workloads	✓	✓	✓	✓
Active/Hot-standby Redundant Operation	✓	✓	✓	✓

Excludes HW Maintenance. Support options are Basic 5x10 phone / email support and software updates, or Premium 24x7 phone / email support, software updates. Remote Deployment and onsite service options available.

† All figures are maximum licensed values.

\* Actual performance is dependent on the blade configuration including processor, memory, networking, and overall system architecture.

‡ AFP Subscriptions for daily commercial rules updates are available as an add-on. GSLB is supported via an add-on pack.



**PartnerDirect**  
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Partner**



Available in the  
Cisco  
Developer  
Network  
Marketplace

## Virtual and Cloud LoadMaster™



KEMP's virtual load balancers provide all of the same features as our hardware product lines with scalability to 10Gbps of application throughput and 12,000 SSL TPS on all major hypervisors - ESXi, Hyper-V, KVM, Oracle VirtualBox, Xen.



Optimized for hybrid cloud infrastructure, KEMP's specialized IaaS/PaaS VLMs enable customers to seamlessly span workloads from their private datacenter to environments in Microsoft Azure, Amazon Web Services, and VMware vCloud Air.

	VLM-200	VLM-2000	VLM-5000	VLM-10G
<b>Hypervisors &amp; Cloud Platforms Supported</b>				
VMWare vCloud Air	✓	✓	✓	✓
Microsoft Azure	✓	✓	✓	✓
Amazon Web Services (AWS)	✓	✓	✓	✓
VMWare, Hyper-V, KVM, Xen, Oracle VirtualBox	✓	✓	✓	✓
<b>Specifications</b>				
Balancer Throughput License †	Up to 200 Mbps	Up to 2 Gbps	Up to 5 Gbps	Up to 10 Gbps
TLS (SSL) TPS License †	Up to 200	Up to 1,000	Up to 10,000	Up to 12,000
Layer 4 Concurrent Connections ‡	3,000,000	3,000,000	3,000,000	3,000,000
Max Servers Supported / Virtual Clusters	1,000 256	1,000 1,000	1,000 1,000	1,000 1,000
Web Application Firewall pack (AFP) *	✓	✓	✓	✓
Edge Security Pack TMG Replacement (Authentication, SSO)	✓	✓	✓	✓
GSLB Multi-Site Load Balancing *	✓	✓	✓	✓

Excludes HW Maintenance. Support options are Basic 5x10 phone / email support and software updates, or Premium 24x7 phone / email support, software updates. Remote Deployment and onsite service options available.

† Specifications are maximum licensed values.

\* AFP Subscriptions for daily commercial rules updates are available as an add-on. GSLB is supported via an add-on pack.

‡ As tested with 1 vCPU and 1 GB memory allocated. L4 concurrent connections will scale linearly with additional allocated RAM.