LoadMaster 2200

New

KEMP TECHNOLOGIES, INC.

- *Application Delivery Optimization*
- *Server Load Balancing*
- *SSL Acceleration*

Internet

Active/Hot Standby

Web Servers

Application Servers

VMware Servers

MS Terminal, Citrix Servers

Load balance up to 1000 servers and 256 virtual clusters per LoadMaster
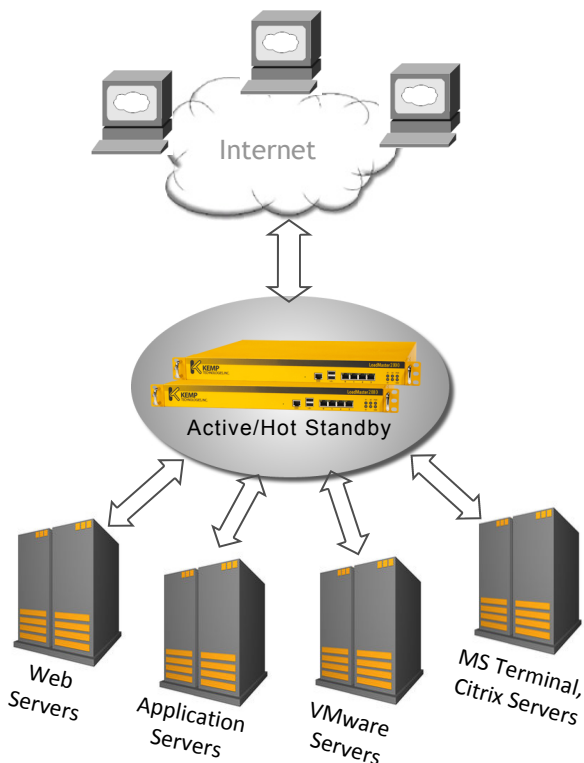
The LoadMaster 2200 is an advanced, 4 GbE-port server load balancing and Layer 7 content switching appliance with SSL Acceleration and advanced Application Delivery and Optimization (ADC) features.   The LoadMaster intelligently and efficiently distributes user traffic among application servers so that your users get the best experience possible.

The LoadMaster is an essential component of high availability, clustering and fault tolerance, all of which provide the infrastructure for reliable Internet sites and large corporate intranets.

Combining the latest advancements in Layer 4 and 7 server load balancing technology with high-performance hardware platforms, the LoadMaster is a value leader in purpose built Internet Traffic Management appliances.

Feature	Benefit
High Performance L4/7 Server Load Balancing	Ensures each user gets the best application experience possible
Active/Hot-Standby, with Stateful Failover	Provides 99.999% high-availability of application servers and removes SLB as single point of failure
Server Hardware and Application Health Checking	Guarantees user requests will be directed to only "available" severs AND "available" applications.
IP and Cookie Persistence	Ensures that users maintain continuous connections with the specific server where "their" transactional data is available – even if the IP address changes during session
Layer 7 Content Switching	Enables site administrators to optimize server traffic according to content type (images, multi-media, apps)
SSL Acceleration/Offload	Optimized server performance and user experience for encrypted application content
Compression, Cache	Reduces latency associated with internal network while further optimizing performance over existing ISP link
Intrusion Prevention Systems (IPS)	Helps thwart application-level threats, even with SSL- encrypted traffic

Standard

Server Load Balancing (SLB) for TCP/UDP based protocols

SSL Acceleration/Offload

Layer 7 Content Switching

Advanced, App-Transparent Caching Engine for HTTP/HTTPS protocols

Optimized Compression for Static HTTP/HTTPS Content

Layer 7 Intrusion Prevention System (IPS), SNORT-Rule Compatible

Up to 256 Virtual and 1000 Real Servers

NAT-based forwarding

Support for Direct Server Return (DSR) configurations

Support for MS Terminal Services with Session Reconnection Built-in

Configurable S-NAT support

VLAN Trunking (802.1Q)

Link Interface Bonding (Modes supported: 802.3ad, Link Failover)

Performance

Max Balancer L4 Throughput Up To 950Mbps

Max Balancer L7 Throughput Up To 920Mbps

Max Interface Throughput 4 X 949.2Mbps

25,000 L7 (http) requests per second

50,000 L7 concurrent connections

1,000,000 L4 concurrent connections

SSL Acceleration Up to 200 TPS

SSL

SSL Acceleration/Offload with support for 2048bit RSA Keys

Support for EV (Extended Validation) Certificates

PCI-DSS ready SSL Implementation

Support for up to 256 SSL Certificates

Support for Third Party Certificates

Automated SSL Certificate Chaining

SSL Certificate Signing Request (CSR) Generation

Health Checking & High Availability

ICMP health checking of server farm machines

Layer 7 checking for DNS, FTP, HTTP, IMAP, NNTP, POP3, SMTP, WTS (RDP), TELNET

Automatic reconfiguration for defective real server machines

Active/Hot Standby configurations for High Availability

Stateful Failover

Administration

Fully configurable using Web User Interface (WUI)

Secure, SSH and HTTPS (WUI) remote access for administration

Easy start and maintenance using wizards

WUI-based Help Assistant

Virtual Service Configurations can be edited and tuned on-the-fly

Real time performance and availability displays

Graceful Administrative removal of Real Servers

Console port for local administration

Remote syslogd support

Selective restore of LoadMaster and Virtual Service data

Support for Connection Draining

Download software updates for LoadMaster firmware

WUI Log Reporting with Tabbed Browser Support

SNMP support for event traps & performance metrics

Diagnostic shell with in-line tcpdump

Scheduling and Balancing Methods

Round Robin

Weighted Round Robin

Least Connection

Weighted Least Connection

Agent-based Adaptive

Chained Failover (Fixed Weighting)

Layer 7 Content Switching

L4/L7 Sticky (Persistence)

Connection persistency based on

- Source IP address
- SSL Session ID
- RDP Login ID for MS Terminal Services
- URL
- Host Header
- Passive Cookie
- Active Cookie (Insert)
- Cookie Hash
- Cookie Hash Source
- Query Hash

Port following for persistency options

Security Functionality

Layer 7 Intrusion Prevention System (IPS), SNORT-Rule Compatible

Black List (Access Control List system)

IP address filtering

Firewall filtering (everything forbidden except VS's)

DDoS mitigation

Hardware Platform

Intel Processor

4 X GbE Auto-negotiating, Full Duplex Eth. Ports

Bootable DOM (No Hard Disks)

1 GB RAM

Local admin via console/VGA and USB

Dimensions: 426 x 419 x 44 mm. (1U)

Weight ~ 13.23 lbs (6kg)

180W ATX power supply

Certifications: CE/FCC Class A, UL Listed, RoHS Compliant

* Specifications are subject to change without prior notice.