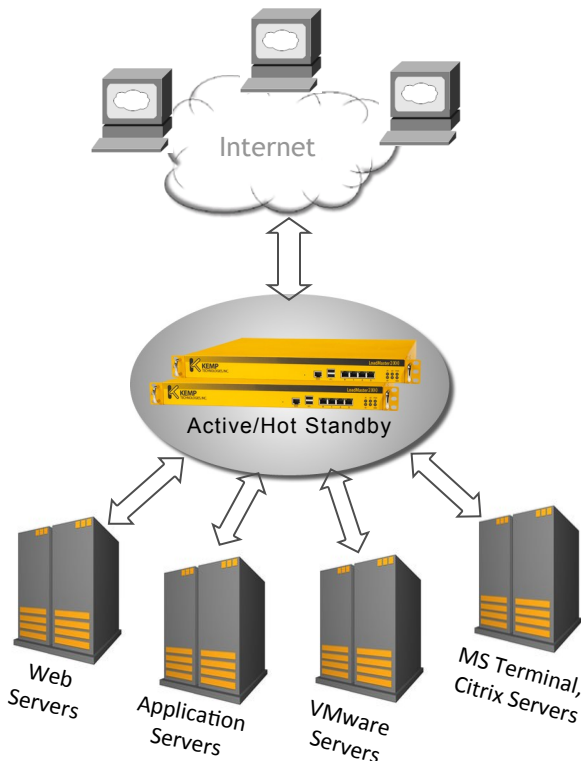


- ◆ *Application Delivery Optimization*
- ◆ *Server Load Balancing*
- ◆ *SSL Acceleration*



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.

Load balance up to 1000 servers and 256 virtual clusters per LoadMaster



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" servers AND "available" applications.
IP and L7 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 in ASIC  
Layer 7 Content Switching  
Advanced, App-Transparent Caching Engine for HTTP/HTTPS protocols  
Optimized Compression for Static and Dynamic HTTP/HTTPS Content  
Layer 7 Intrusion Prevention System (IPS), SNORT-Rule Compatible  
Up to 500 Virtual and 1000 Real Servers  
IPv6 support for addressing and features  
IPv6 - IPv4 bidirectional conversion  
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

ASIC-enabled, SSL Acceleration w/ support for 2048bit RSA Keys  
Support for EV (Extended Validation) Certificates  
PCI-DSS ready SSL Implementation  
Support for up to 1000 SSL Certificates  
Support for Third Party Certificates  
Automated SSL Certificate Chaining  
SSL Certificate Signing Request (CSR) Generation  
STARTTLS offload for mail protocols (POP3, SMTP, etc.)  
FIPS 140-2 Level 1 capable

### 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



Preconfigured Applications templates  
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)  
Source-IP Hash  
Layer 7 Content Switching

### Sticky (Persistence) Connection Options

Source IP (L4)  
SSL SessionID (L4)  
HTTP/HTTPS Browser-session (L7)  
HTTP/HTTPS WebClient-session (L7)  
RDP Login ID (L7)  
Port Following for mixed HTTP/HTTPS sessions

### Security Functionality

Layer 7 Intrusion Prevention System (IPS),  
SNORT-Rule Compatible  
Global & per VS Black list and White list (Access Control List)  
IP address filtering  
Firewall filtering (everything forbidden except VS's)  
DDoS mitigation, including L7 rate based attacks

### 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.