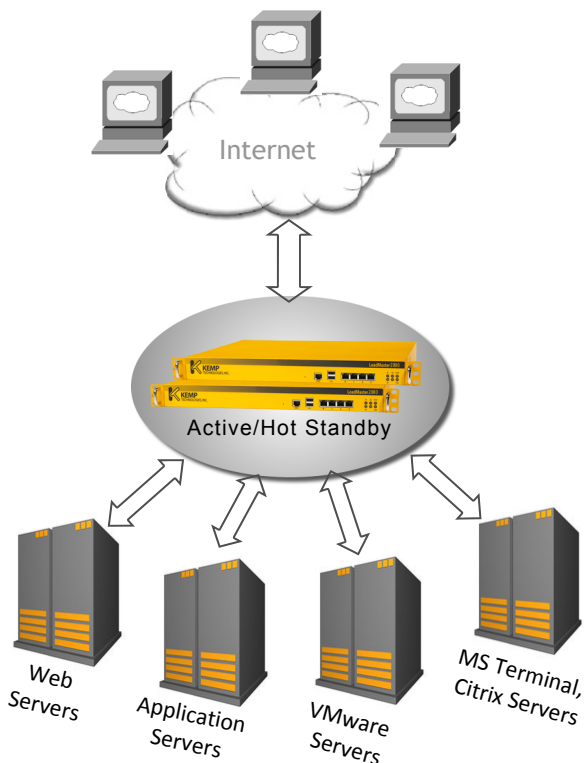


- ◆ *Application Delivery Optimization*
- ◆ *Server Load Balancing*
- ◆ *SSL Acceleration*



The LoadMaster 2000 is an advanced, 4 GbE-port server load balancing and Layer 7 content switching appliance with integrated ASIC-based 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 in ASIC	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

LoadMaster 2000

Specifications v5.0*



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 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 300Mbps
- Max Balancer L7 Throughput Up To 250Mbps
- 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 100 TPS

SSL

- ASIC-enabled (AES), hardware SSL Acceleration
- 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

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
- Black List (Access Control List system)
- IP address filtering
- Firewall filtering (everything forbidden except VS's)
- DDoS mitigation

Hardware Platform

- ULV Processor, SSL ASIC (AES)
- 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.