

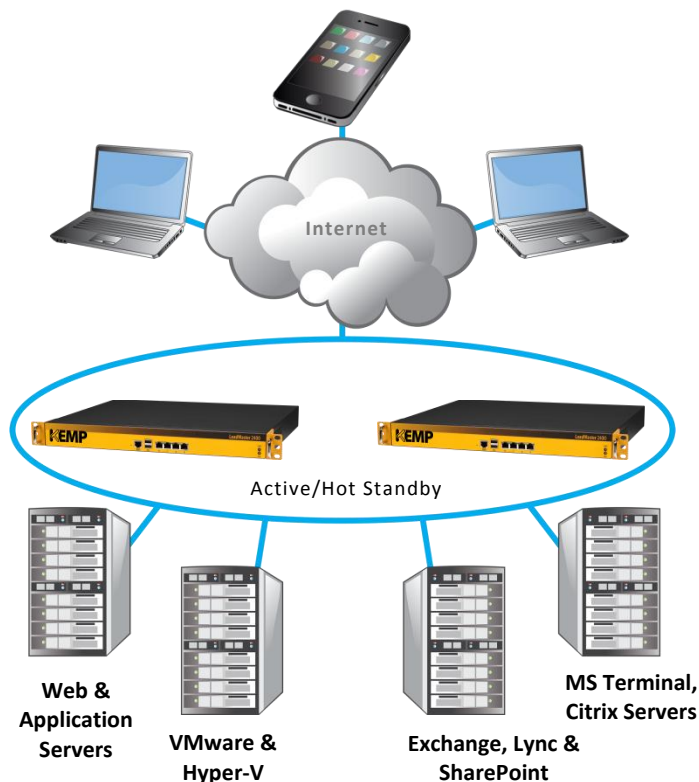
- ◆ Application Delivery Optimization
- ◆ Server Load Balancing
- ◆ SSL Acceleration



The LoadMaster™ 2400 is an affordable and feature-rich server load balancer. Featuring enhanced SSL acceleration capabilities coupled with intelligent Layer 7 application content switching it delivers on the needs of administrators to support an increased number of secure connections for their application deployments.

The LoadMaster™ 2400 is an essential component to include for the high availability of critical application infrastructures with diverse application delivery and load balancing needs.

Combining the latest advancements in Layer 4 and Layer 7 application delivery technology, LoadMaster™ is the Load Balancer of choice for providing high availability services in IT web and application infrastructures.



The LM2400 can load balance up to 1000 servers and 500 virtual clusters



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

LoadMaster™ 2400

Specifications v7.0*



#1 Load Balancer
in price/performance

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 and Dynamic HTTP/HTTPS Content
Layer 7 Intrusion Prevention System (IPS), SNORT-Rule Compatible
Up to 256 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)
GSLB Add-On Support

Performance

Max Balancer Throughput Up To 1.2Gbps
Max Interface Throughput 4 X 949.2Mbps
45,000 L7 (http) requests per second
75,000 L7 concurrent connections
1,000,000 L4 concurrent connections
SSL Acceleration Up to 1000 TPS

SSL

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
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



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)
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 Dual Core Processor
4 X GbE Auto-negotiating, Full Duplex Eth. Ports
Industrial SSD
1 GB RAM
Local admin via console/VGA and USB
Dimension: 426mm (W) x 365mm (D) x 44mm (H)
Weight: 15.4lbs (7kg)
200W ATX power supply
Certifications: CE, FCC Class A, UL, RoHS

* Specifications are subject to change without prior notice.

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www.KEMPTechnologies.com

• (Corporate HQ) 475 Park Avenue South New York, NY 10016 • (EMEA HQ) Mary Rosse Centre, Holland Road, National Technology Park, Limerick, Ireland •
• (German HQ) Plathnerstraße 5 30175 Hannover Germany • (Asia Pacific HQ) 8 Eu Tong Sen Street, #12-99 Singapore 059818 •
New York telephone: 631-345-5292 • Limerick telephone: +353-61-260-101 • Hannover telephone: +49-511-367393-0 • Singapore telephone: +65-62222429