# LoadMaster™ 2600

**KEMP** | **#1 Load Balancer** in price/performance

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



Internet

Active/Hot Standby

Web & Application Servers

VMware & Hyper-V

Exchange 2010, Lync & SharePoint

MS Terminal, Citrix Servers

The LoadMaster™ 2600 is an advanced, 4 GbE-port server load balancing and Layer 7 content switching appliance with integrated ASIC-based SSL Acceleration. The LoadMaster™ intelligently and efficiently distributes Web traffic among Web servers so that your site's users get the best experience possible.

The LoadMaster™ 2600 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 platform, the LoadMaster™ 2600 is a value leader in purpose built Internet Traffic Management appliances.

Pb lead-free | RoHS 2002/95/EC
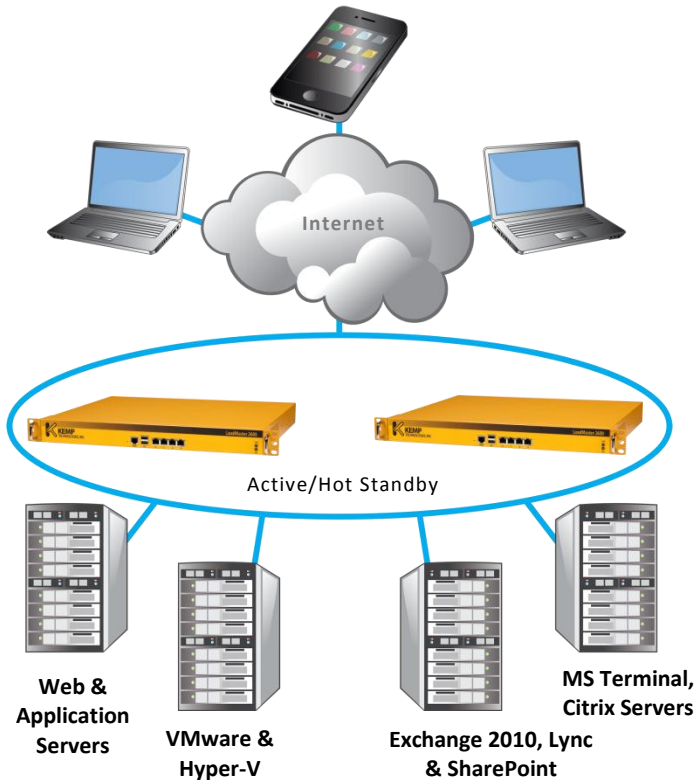
The LM2600 can load balance up to 1000 servers and 500 virtual clusters

| 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" severs 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 |

## 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 1.7Gbps
Max Balancer L7 Throughput Up To 1.5Gbps
Max Interface Throughput 4 X 949.2Mbps
69,000 L7 (http) requests per second
100,000 L7 concurrent connections
2,000,000 L4 concurrent connections
SSL Acceleration Up to 2,000 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

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
Bootable DOM (No Hard Disks)
2 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.