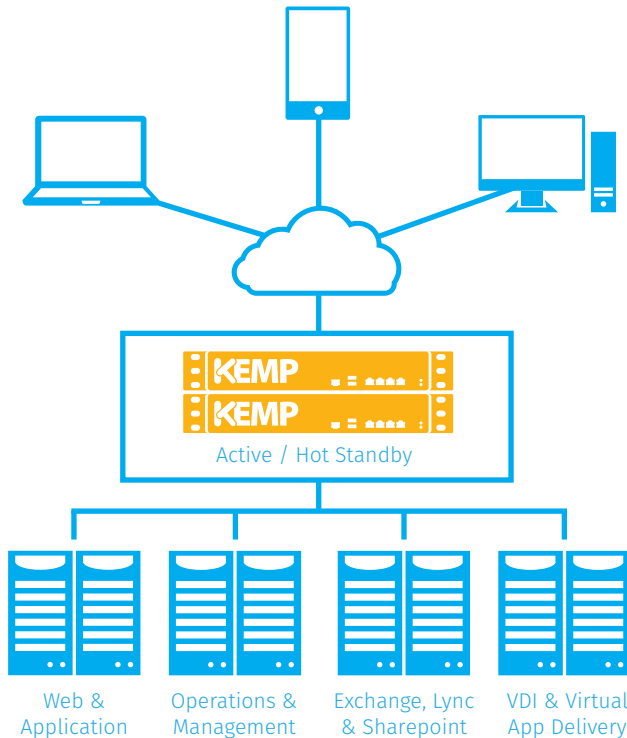


LoadMaster™ 2400

Data Sheet

- Application Delivery Optimization
- Server Load Balancing
- TLS (SSL) Offload



Affordable Layer 4-7 Load Balancing with Enhanced SSL Performance

The LoadMaster™ 2400 is an affordable and feature-rich application load balancer. Providing enhanced TLS (SSL) offload and 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 while staying on budget.

The LoadMaster™ 2400 is an essential component to include for high availability of critical application infrastructure in small private cloud environments.

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

The LoadMaster™ 2400 can load balance up to 1000 servers and 256 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	Removes load balancer as a single point of failure
Server and application health checking	Guarantees user requests will be only be directed to available servers and available applications
IP and L7 persistence	Maintain connections with the user's specific server even if their IP address changes during session
Layer 7 content switching	Optimize server traffic according to content type
TLS (SSL) offload	Optimizes server performance and user experience for encrypted application content
Compression and caching of content	Reduces internal network latency and optimizes bandwidth for best possible client experience
Intrusion Prevention Systems (IPS)	Thwarts application threats in both non-encrypted and encrypted traffic streams

LoadMaster™ 2400

Data Sheet

Specifications version 7.1

Standard

- Server Load Balancing (SLB) for TCP/UDP based protocols
- TLS (SSL) Offload
- Layer 7 Content Switching
- Advanced application transparent caching for HTTP/HTTPS
- Optimized compression of static and dynamic HTTP/HTTPS Content
- SNORT-rule compatible Layer 7 intrusion prevention system (IPS)
- 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
- Session reconnection for Microsoft remote desktop services (RDS)
- Configurable S-NAT support
- VLAN Trunking (802.1Q)
- Link interface bonding (802.3ad)
- HTTP/2 Layer 7 Proxy

Edge Security Pack

- Microsoft TMG replacement
- Pre-Authentication & SSO
- Multi-Domain authentication
- X.509 client certificate authentication
- Custom login forms
- Two factor authentication

Performance

- Max L4 Throughput Up To 1.2Gbps
- Max L7 Throughput Up To 1.0Gbps
- Max Interface Throughput 4 X 949.2Mbps
- 50,000 L7 (http) requests per second
- 75,000 L7 concurrent connections
- 4,300,000 L4 concurrent connections
- TLS (SSL) Acceleration
 - 1K Keys up to 1,000 TPS
 - 2K Keys up to 200 TPS
- TCP/IP Multiplexing

TLS (SSL)

- Configurable TLS (1.0, 1.1, 1.2) and SSL (2.0, 3.0)
- Support for EV (Extended Validation) certificates
- Server Name Identification (SNI) support
- Support for up to 256 TLS (SSL) certificates
- Automated TLS (SSL) certificate chaining
- TLS (SSL) Certificate Signing Request (CSR) generation
- STARTTLS offload for mail protocols (POP3, SMTP, IMAP)
- FIPS 140-2 Level 1 mode

Health Checking & High Availability

- Aggregated health checks
- ICMP health checking
- Layer 7 checking against any target server port
- Active/Hot Standby configurations for High Availability
- Stateful Failover

Administration

- Flexible administration Options
 - Web User Interface (WUI)
 - SSH
 - Console
 - RESTful, JAVA and PowerShell APIs
 - VMware vRealize Orchestrator
- Change Auditing
- Wizards for simplified deployment
- Context based help (WUI)
- Real time display of performance and availability
- Application templates
- Remote syslogd support
- Automated configuration backup
- Selective restore of configuration
- Connection draining
- Comprehensive logging and reporting
- SNMP support
- 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
- Global Server Load Balancing (GSLB)
- AD Group based traffic steering

Session Persistence

- Source IP (L4)
- TLS (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

- SNORT-Rule Compatible L7 Intrusion Prevention System (IPS)
- Permit /Deny Access Control Lists
- IP address filtering
- DDoS mitigation, including L7 rate based attacks
- IPSec VPN to Azure, AWS and vCloud Air public clouds
- Authenticated NTP

Hardware Platform

- Intel Dual Core Processor
- 4 X GbE Auto-negotiating, Full Duplex Eth. Ports
- Solid State Storage
- 2 GB RAM**
- Local admin via serial and VGA/USB
- Dimension: 426mm (W) x 365mm (D) x 44mm (H)
- Weight: 15.4lbs (7kg)
- 200W ATX power supply

* Specifications are subject to change without prior notice.

** 2GB configuration denoted by "R02" label. Prior releases contained 1GB.