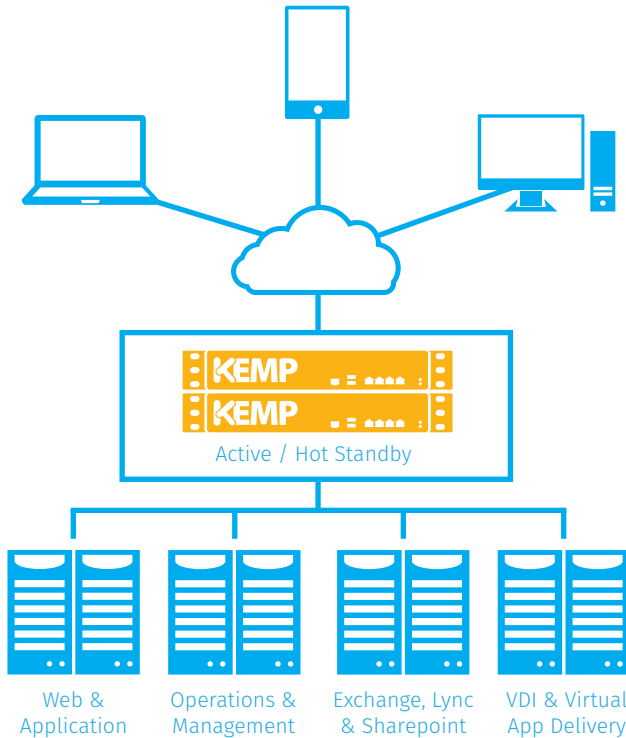


# LoadMaster™ 3000

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



## Intelligent Application Delivery for Growing Organizations

Agile organizations require end-to-end technology deployments that can support them as their application performance requirements grow. KEMP's LoadMaster™ 3000 delivers comprehensive performance scaling to 1.7 Gbps application throughput and 1000 SSL transactions per second (TPS) combined with content switching, data compression and caching to meet the needs of dynamic, expanding infrastructures.

The LoadMaster 3000 is an essential component to include for high availability of critical line of business applications, internet facing web services and corporate intranets in small to medium sized deployments.

Combining the latest advancements in Layer 4 to Layer 7 application delivery technology with features such as single sign-on, LoadMaster™ is the ADC of choice for providing high availability services across a wide range of application workloads.

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	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	Optimize server traffic according to content type
TLS (SSL) acceleration and 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™ 3000

Data Sheet

## Specifications version 7.1

### Standard

- Server Load Balancing (SLB) for TCP/UDP based protocols
- TLS (SSL) acceleration and offload
- Layer 7 content switching
- Advanced application transparent HTTP/HTTPS caching
- 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
- 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
- VLAN Trunking (802.1Q)
- Link interface bonding (802.3ad)
- Edge Security Pack (Pre-Auth & SSO)

### Performance

- Max Balancer L4 Throughput Up To 1.9Gbps
- Max Balancer L7 Throughput Up To 1.7Gbps
- Max Interface Throughput 4 X 949.2Mbps
- 69,000 L7 (http) requests per second
- 100,000 L7 concurrent connections
- 8,600,000 L4 concurrent connections
- SSL Acceleration
  - 2K Keys up to 1,000 TPS
  - 1K keys up to 2,000 TPS

### 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

- 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)

### Health Checking & High Availability

- 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 API
- Wizards for simplified deployment
- Context based help (WUI)
- Automation and orchestration via RESTful API
- Real time display of performance and availability
- Application templates for all major workloads
- Console port for local administration
- Remote syslogd support
- Automated configuration backup
- Selective restore of configuration
- Connection draining for managed outages
- 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)

### 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 Functionality

- SNORT-Rule Compatible L7 Intrusion Prevention System (IPS)
- Permit /Deny Access Control Lists
- IP address filtering
- IPsec Tunnel support
- DDoS mitigation, including L7 rate based attacks

### Hardware Platform

- Intel Dual Core Processor
- 4 X GbE Auto-negotiating, Full Duplex ports
- Solid State Storage
- 4 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.