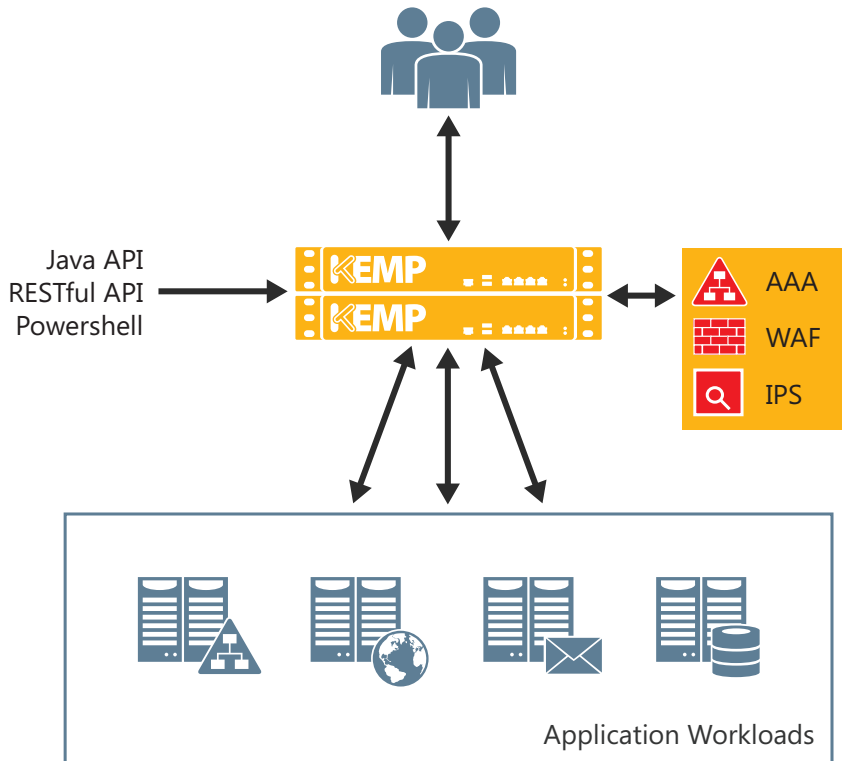


LoadMaster 5000

- Secure Application Delivery
- Integrated Web Application Firewall (WAF)
- Up to 11Gbps throughput



Integrated Secure Application Delivery Platform

The LoadMaster™ 5000 is the ideal high-performance platform for secure delivery of application with a web application firewall, intrusion detection and support for a wide range of authentication schemes. The web application firewall (WAF) greatly simplifies secure deployment of applications such as Microsoft® Exchange, SAP® and Oracle® and the optional Application Firewall Pack (AFP) provides daily rule updates to maximize protection against emerging threats. The integrated IPS and pre-authentication ensure continuous protection from network level and brute-force attacks.

The LoadMaster™ 5000 also greatly simplifies deployment and operation with application templates and a comprehensive RESTful API with Java™ and PowerShell libraries. The core load balancing functionality supports multiple persistence and traffic distribution schemes to ensure the best quality of experience for subscribers.

With the option to deploy as a highly available pair and use geographic server load balancing (GSLB), the LoadMaster™ 5000 greatly simplifies application availability challenges with automatic failover between appliances and between data centers.

FEATURE	BENEFIT
Web Application Firewall (WAF)	Protect against common application level attacks including OWASP top 10.
Intrusion Prevention Systems (IPS)	Thwarts application threats in both non-encrypted and encrypted traffic streams
Single sign-on and authentication	Integrate with multiple authentication services such as Active Directory, RADIUS, SecurID and Kerberos
High-Availability	Easily achieve application SLAs with automatic stateful failover and recovery between active/passive pair
TLS (SSL) offload and acceleration	Maximize the user quality of experience by reducing server encryption workload
Compression and caching of content	Reduces internal network latency and optimizes bandwidth for best possible client experience
Built-in System Remote Access Controller	Integrate LoadMaster appliance with out-of-band management tools
SDN Adaptive	Smarter load balancing of traffic by leveraging network knowledge from SDN controllers

LoadMaster 5000

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 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
- Session reconnection for Microsoft remote desktop services (RDS)
- Configurable S-NAT support
- VLAN Trunking (802.1Q)
- Link interface bonding (802.3ad)
- Edge Security Pack (Pre-Auth& SSO)

Performance

- Max Balancer L4 throughput up to 11.2 Gbps
- Max Balancer L7 throughput up to 11.0 Gbps
- 198,000 L7 (http) requests per second
- 375,000 L7 concurrent connections
- 26,500,000 L4 concurrent connections
- TLS (SSL) Acceleration
 - 2K Keys up to 5000 TPS
 - 1K keys up to 10,000 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

- Support for up to 1,000 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
- Optional Global Server Load Balancing (GSLB)

Administration

- Flexible administration Options
 - Web User Interface (WUI)
 - SSH
 - Console
 - RESTful API
 - Java™ API
 - PowerShell
- Hardware remote access controller
- 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
- 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
- SDN Adaptive
- 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

- Web Application Firewall (WAF)
- Optional daily WAF rule updates via Application Firewall Pack (AFP)
- 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® Xeon® 8 Core Processor
- 4 x 1Gbit Ethernet
- 2 x 10Gb SFP+ Direct Attach Ports
- 16GB RAM
- Local admin via serial and VGA/USB
- Dimension (1U): 434mm (W) x 607mm (D) x 42.8mm (H)
- Weight: 16.73 kg (36.88 lb)
- 550W Hot-plug, Redundant (1+1) PSU

* Specifications are subject to change without prior notice.