

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

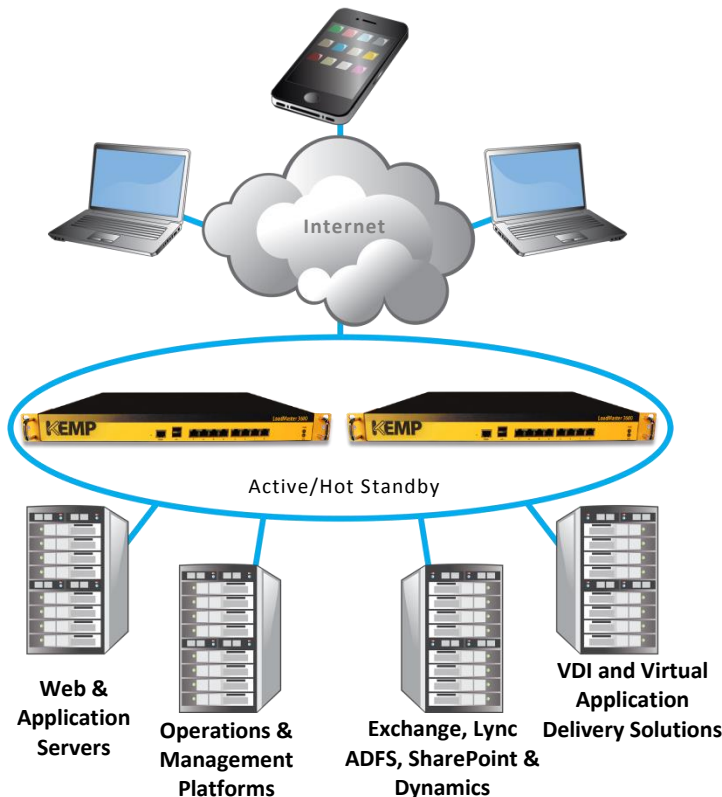


High Performance Optimized for E-Commerce Environments

The high performing LoadMaster™ 3600 is an advanced, 8 GbE-port ADC designed with security and performance in mind. Integrated ASIC-based SSL Acceleration, Global Server Load Balancing capabilities and support for 12.8 Million concurrent connections makes the 3600 ideal for e-commerce environments.

The LoadMaster™ 3600 is an essential component to include for high availability of critical backend workflow and internet facing e-commerce web services in medium to large deployments.

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



The LM3600 can load balance up to 1000 servers and 1000 virtual clusters



Feature	Benefit
High Performance L4/7 Server Load Balancing	Ensures each user gets the best application experience possible
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 or the session is temporarily interrupted
SSL Acceleration/Offload in ASIC	Optimizes server performance and user experience for encrypted application content
Advanced Application Delivery Features	Accelerates traffic and reduces latency through intelligent Content Caching, Content Compression and Content Switching
Intrusion Prevention System (IPS)	Thwarts application-level threats even when masked in encrypted application content
Global Server Load Balancing Support	Allows intelligent distribution of delegated services across multiple data centers based on location of client or other pre-configured rules
Pre-Authentication and Single-Sign On	Validates user access to resources prior to forwarding requests to application servers and facilitates a simple user login experience across multiple applications serviced by LoadMaster

LoadMaster™ 3600

Specifications v7.0*



#1 Load Balancer
in price/performance

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 1000 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 RDS with Session Reconnection Built-in
Configurable S-NAT support
VLAN Trunking (802.1Q)
Link Interface Bonding (Modes supported: 802.3ad, Link Failover)
Edge Security Pack (Pre-Authentication & SSO)

Performance

Max Balancer L4 Throughput Up To 3.4Gbps
Max Balancer L7 Throughput Up To 2.9Gbps
Max Interface Throughput 8 X 949.2Mbps
77,000 L7 (http) requests per second
200,000 L7 concurrent connections
12,800,000 L4 concurrent connections
SSL Acceleration
 1K Keys up to 5,000 TPS
 2K Keys up to 2,500 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 (RDS), 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
Automation/Orchestration via REST API
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
Global Server Load Balancing (GSLB) Support

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 Quad Core Processor
8 X GbE Auto-negotiating, Full Duplex Eth. Ports
Solid State Storage
4 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

* Specifications are subject to change without prior notice.

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