## LoadMaster™ 3600

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

### High Performance Optimized for E-Commerce Environments

The high performing LoadMaster™ 3600 is an advanced, 8 GbE-port application delivery controller designed with security and performance in mind. Integrated Web application firewall, ASIC-based TLS (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.

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>BENEFIT</th>
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<tbody>
<tr>
<td>High Performance L4/7 Server Load Balancing</td>
<td>Ensures each user gets the best application experience possible.</td>
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<tr>
<td>Web application firewall pack (AFP)</td>
<td>Protection against application level attacks and simplification of PCI-DSS compliance</td>
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<td>Active/Hot-Standby, with Stateful Failover</td>
<td>Removes load balancer as a single point of failure</td>
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<td>Server and application health checking</td>
<td>Guarantees user requests will be only be directed to available servers and available applications</td>
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<td>IP and L7 persistence</td>
<td>Ensures that users maintain continuous connections with the specific server where their transactional data is available even if the IP address changes during session</td>
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<td>Layer 7 content switching</td>
<td>Optimize server traffic according to content type</td>
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<td>TLS (SSL) acceleration and offload</td>
<td>Optimizes server performance and user experience for encrypted application content</td>
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<tr>
<td>Compression and caching of content</td>
<td>Reduces internal network latency and optimizes bandwidth for best possible client experience</td>
</tr>
<tr>
<td>Intrusion Prevention Systems (IPS)</td>
<td>Thwarts application threats in both non-encrypted and encrypted traffic streams</td>
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LoadMaster™ 3600

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
- Application level protection with Web Application Firewall (WAF)
- 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 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

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)
- 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 capable

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
  - 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

Scheduling and Balancing Methods
- Round Robin
- Weighted Round Robin
- Least Connection
- Weighted Least Connection

Session Persistence
- 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
- Web Application Firewall Pack (AFP)
  - Data Loss Prevention (DLP)
  - Mitigation of OWASP Top 10
  - Support PCI-DSS compliance
  - Real-time protection for applications
- SNORT-Rule Compatible L7 Intrusion Prevention System (IPS)
- Permit /Deny Access Control Lists
- IP address filtering
- 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 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.