LoadMaster™ 5305-FIPS

- FIPS 140-2 Level 2 Support
- Application Delivery Optimization
- Server Load Balancing

Comprehensive Application Delivery with FIPS 140-Level 2 Support

The LoadMaster™ 5305-FIPS combines server load balancing and Layer 7 content switching with an integrated FIPS 140-2 Level 2 compliant HSM supporting secure key handling and ASIC-based TLS (SSL) acceleration. This integration allows the 5305 to intelligently, efficiently and securely distribute application traffic among servers giving end-users the best experience possible in FIPS-compliant environments without compromising security.

The LoadMaster™ 5305-FIPS serves as an essential component of any highly available environment requiring compliance with FIPS 140-2 Level 2 by delivering a comprehensive feature set with low TCO/TCA and competitive return on investment.

Combining the latest advancements in Layer 4 to Layer 7 application delivery technology, LoadMaster™ is the application delivery controller of choice for securing services in highly available cloud, web and application infrastructures.
LoadMaster™ 5305-FIPS

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 1,000 Virtual and 1,000 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-Authentication & SSO)

Performance
- Max Balancer L4 Throughput Up To 3.6Gbps
- Max Balancer L7 Throughput Up To 3.3Gbps
- 110,000 L7 (http) requests per second
- 400,000 L7 concurrent connections
- 25,600,000 L4 concurrent connections
- SSL Acceleration up to 1,100 TPS (2K keys)

TLS (SSL)
- ASIC enabled TLS (SSL) acceleration w/ support for 2048bit RSA Keys
- Support for EV (Extended Validation) Certificates
- PCI-DSS ready SSL Implementation
- Support for up to 1,000 SSL Certificates

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

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

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 L 7 Intrusion Prevention System (IPS)
- Permit / Deny Access Control Lists
- IP address filtering
- DDOS mitigation, including L7 rate based attacks

Hardware Platform
- Intel Xeon Quad-Core Processor
- 8 X 1Gbe Auto-negotiating, Full Duplex Eth. Ports
- Solid State Storage
- 8 GB RAM
- Local admin via console/VGA and USB
- Dimension: (1U) 426 x 450 x 44(mm)
- Weight: 19lbs (8.5kg)
- 2 x 200W ATX power supply (Redundant, Hot-Swap)
- Certifications: CE/FCC Class A, UL, RoHS Compliant

* Specifications are subject to change without prior notice.