



Array TMX Series SSL SLB Application Accelerators greatly improve the availability, performance, and security of enterprise applications and Web sites while reducing cost and complexity in the data center.

A front-end offload solution for both Web and application servers, the Array TMX represents the next generation of server load balancing and traffic management, delivering tightly integrated, essential networking functions in a single powerful system.

■ **Guaranteed Availability**

TMX Series systems provide full server load balancing and content switching functionality with granular traffic control based on customizable layer 4-7 rules. Extensive application health checking directs connections past inactive and overburdened servers, reestablishing connections as conditions permit. Integrated link load balancing, global server load balancing, N+1 clustering, and dual power guarantee business continuity for applications and services where downtime directly impacts your bottom line.

■ **Breakthrough Performance**

Hardware-accelerated SSL encryption, hardware compression, RAM-based SpeedCache™ and connection multiplexing ensure the fastest, most efficient delivery of Web-based content and applications at wire speed. Benefiting from Array's powerful SpeedStack™ technology, TCP/IP processing and HTTP parsing is performed once and leveraged across all functions to achieve levels of performance simply unattainable with previous generation solutions.

■ **Uncompromising Security**

Array's WebWall™ brings true security to your network. High-performance access control lists (ACL), network address translation (NAT), and stateful packet flow inspection guard not only against unauthorized access and denial-of-service (DoS) attacks, but also against application level attacks typically undetected by less capable solutions. Uncompromising to the core, every Array platform is built on a security-hardened operating system that ensures the network is as safe as the traffic it supports.

■ **Ease of Use and Integration**

The Array TMX is simple to install and offers intuitive configuration and management through either the Array Pilot GUI or a familiar command line interface. Using the administration tool kit, network managers can view the status for a wide range of system parameters and enable services on the fly. The Array TMX may be automated using either SNMP or XML-RPC management options, and for ease of integration is engineered to either complement or replace existing network devices.

Product Highlights

- **Ensures availability for Web sites and Web applications** where downtime impacts business revenue
- **Dramatically improves the end-user experience** for Web content and applications, cutting response times in half or more
- **Increases data center efficiency and server ROI;** boosts server and application capacity by up to ten fold
- **Wire speed inspection of encrypted SSL traffic guards network;** only sanitized requests and data forwarded to servers
- **Reduces cost and complexity;** integrates local and global server load balancing, SSL acceleration, compression, caching, and stateful packet inspection
- **Reverse-proxy SpeedStack™ architecture** separates server-side and client-side connections and eliminates redundant TCP processing for integrated functions
- **All functions intuitively manageable from the Array Pilot GUI,** with up to 32 clustered units configurable as a single system
- **Invest-as-you-grow flexibility** allows you to purchase a solution to meet current requirements and add features as needed without hardware upgrades

Availability

Layer 4 Server Load Balancing

- TCP, TCPS, UDP
- Round Robin, Weighted Round Robin, Least Connections, Shortest Response, Persistence IP

Layer 7 Server Load Balancing

- QoS
- URL
- Hostname
- Cookie
- SOAP
- Arbitrary Header

Global Server Load Balancing

- DNS DoS protection
- Global site/service selection

Link Load Balancing

- 128 Links
- Inbound/Outbound
- Health Checks

Clustering

- Active/Active; Active/Standby
- Configuration Synchronization
- Interoperability with BEA WebLogic Cluster
- App-specific Health Check

Performance

SSL Acceleration

- High-performance hardware-based acceleration
- HTTPS, NNTPS, SMTPS, POPS, IMAPS, LDAPS
- SSL inside for end-to-end security
- Full certificate management features

Loss-less Compression

- Hardware-based
- Inline HTTP
- Text
- HTML
- XML
- DOC
- Java Scripts
- Cascading Style Sheets
- PDF

High-Performance Caching

- Memory-based
- Fully-compliant with HTTP 1.1 Specs

TCP Acceleration

- Connection Multiplexing
- TCP Buffering
- Client Connection Persistence

Security

Server Security

- Full proxy-based firewall
- Safeguard servers from network attacks
- TCP Syn-flood protection
- Flash event protection
- Full DoS protection
- URL Filtering

Network Security

- Full stateful packet inspection firewall
- Over 1000 ACL rules without performance degradation

Network Address Translation

- Static translation
- Port-based translation

Ease of Use & Integration

- Cisco IOS Inspired CLI Interface
- Secure SSH Remote Network Management
- Secure WebUI Access
- XML-RPC Remote Management Support
- SNMP V2c and Private MIBs
- Syslog (UDP or TCP)
- Simple Initial Setup Support
- Administrator Account Management
- CLI Command-Based Monitoring Feature
- Notification/Alerting System w/Paging Feature
- Multiple Configuration Support
- Multiple Units Configuration Synchronization Support
- On-line Troubleshooting Support
- Real-Time Monitoring Graphs Support
- Log Message Manual

	TMX1100	TMX2000	TMX3000	TMX5000
HTTP Requests/Second	8000	35,000	50,000	100,000
SSL Transactions/Second	2000	4000	10,000	20,000
Concurrent TCP Connections	40,000	500,000	2,000,000	2,000,000
SLB Services	500	4000	4000	4000
Virtual IPs	100	1000	1000	2000
Real IPs	100	1000	1000	2000
SLB Groups	200	2000	2000	4000
Memory	512MB	1GB	4GB	4GB
I/O Configuration	Fixed: 2 10/100/1000	Fixed: 2 10/100/1000	Up to 6 Ports: Supports 6 10/100/1000 Supports 2 1000 Base-SX	Up to 6 Ports: Supports 6 10/100/1000 Supports 6 1000 Base-SX
Clustering	2	32	32	32
Form Factor	1U	1U	1U	3U
Power Supply	Single	Single	Single	Dual

Technical Specifications	
Support	Bronze, Silver, Gold & Platinum Level Support Plans
Warranty	1 Year Hardware; 90 Day Software
Standards	10/100 Base-TX, 1000 Base-T, 1000 Base-SX, IP, SSH, HTTP 1.0/1.1, SSL, SNMP
Management	SSH CLI, Direct Console CLI, SNMP, Single Console per Cluster, XML-RPC
Console port	Male DB9 Serial (RS232) Port
Dimensions	Standard 19" Rack Mountable 1100/2000/3000: 17" (W) x 15" (D) x 1.75" (H) or 1RU 5000: 17" (W) x 23.5" (D) x 5.25" (H) or 3RU
Weight	1100/2000/3000: 14 lbs.; 5000: 36.5 lbs.
Environmental	Operating Temperature: 0° to 40°C Humidity: 0% to 90%, Non-condensing Power (1100/2000/3000): 100-240VAC, 8-4 A, 63-47Hz, Auto-ranging
Regulatory compliance	Emissions: FCC, ICES, VCCI, MIC, BSMI, AS/NZS 3548, EN 55022, EN Power (5000): 100-240VAC, 6 A, 50-60Hz, Auto-ranging, Redundant, Hot Swappable 55024 Class A, EN 60950, UL 1950, CAN/CSA 950, NOM
Safety	CSA, CE, UL

