



Product Overview

Celestix XLB Traffic Manager manages your application traffic, inspecting, transforming and routing requests as it load-balances them across the application infrastructure. The powerful TrafficScript™ engine lets you implement whatever traffic management policies are most appropriate for your enterprise, drawing on the whole range of capabilities of the Celestix XLB Traffic Manager. Where necessary, Java™ Extensions can be used to implement additional, complex traffic transformations and other policies.

Celestix XLB Application Delivery Platform

Enterprise class load balancing and application traffic management optimized with Celestix Network Platform

Celestix XLB enables you to create, manage and deliver your key services more quickly, more flexibly and at a lower cost. It manages your application traffic by inspecting, transforming and routing requests as it load-balances them across the application infrastructure. The powerful TrafficScript engine lets you implement the traffic management policies that are most appropriate for your enterprise, drawing on the whole range of capabilities of Celestix XLB Traffic Manager.

- **Accelerate** your application delivery, maximize performance and capacity, increase end user satisfaction and boost return on infrastructure investment;
- **Improve** the reliability and availability of your applications and scale your services easily and cost effectively;
- **Control** and secure network traffic, filtering and scrubbing application requests and responses;
- **Manage** your application infrastructure, simplifying application maintenance, upgrades and migration and delivering adaptable and agile services faster and reliably.

Application Acceleration

XLB offloads compute-intensive tasks, and the integrated HTTP Content Caching reduces the load on your infrastructure. TCP offload, Traffic Buffering and HTTP Optimizations create the environment for your applications to run at peak performance and capacity. All these add up to dramatic improvements in service throughput and responsiveness, significantly better ROI and an improved customer experience.

Service Reliability

Active and Passive Health Monitors and continual performance monitoring ensure that client requests are load-balanced across the fastest servers in your infrastructure. XLB's TrafficCluster™ scalability protects against compound failures at all levels.

Application Security

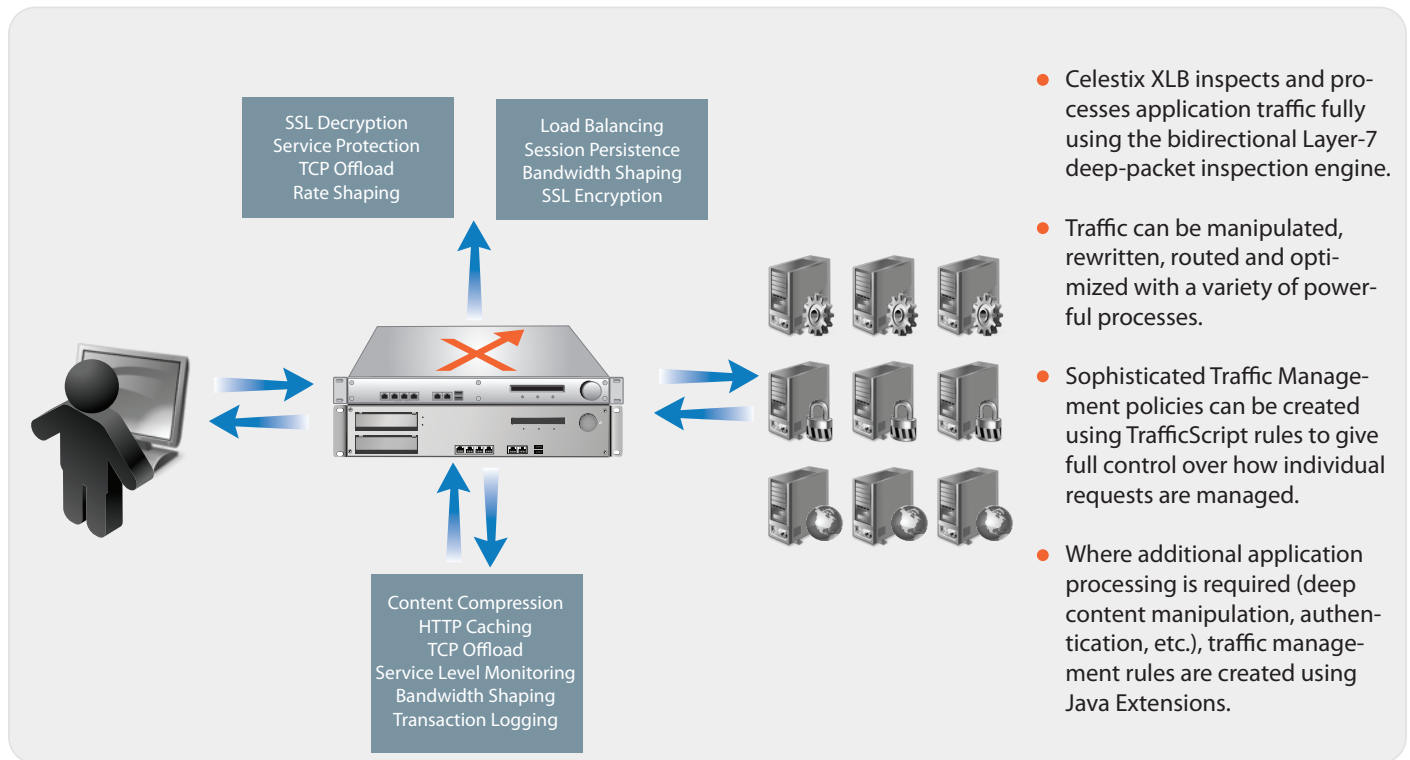
Total server isolation, request and response scrubbing, request validation and request rate shaping all protect your application infrastructure from direct attacks, invalid or malformed requests and malicious or incidental flash floods that would otherwise impair the level of service you provide.

Native XML Capabilities

XLB can parse complex XML data using XPath and take informed routing decisions based on its content. XLB supports the offload and acceleration of the translation of one dialect of XML to another via XSLT.

Application Integration and Control

XLB offers you all the functionality that you need to implement the traffic management policies appropriate for your business. Apply custom business logic with RuleBuilder™ and TrafficScript™, XLB's powerful and intuitive traffic management language, or create Java™ Extensions for sophisticated traffic processing needs. The SOAP-based Control API can tightly integrate XLB within your application management infrastructure, and XLB's powerful Event Handling lets you specify precisely the actions XLB should perform when key events occur.



Traffic Valuation and Prioritization

Full Application Traffic inspection and Service Level Monitoring provide the intelligence for XLB to make accurate decisions on how to route and handle traffic. Request Rate Shaping, Bandwidth Shaping, routing, compression and caching can all be used to give your most valuable users the best possible levels of service.

Flexible High-Availability Configurations

XLB has TrafficCluster™ scalability allowing deployment in any number and combination of active and standby units, Performance scales linearly with the number of XLBs for easy capacity planning.

Ultra-Fast SSL

XLB's high performance SSL technology assures end-to-end security of your services., meaning that you no longer have to compromise between security and performance.

Activity Monitoring and Diagnostics

XLB provides you with real-time reporting and historical graphs of your applications' activity via a web-based interface and SNMP. Combined with one-click self-diagnostics, you can plan for future capacity requirements and isolate faults rapidly, reducing the time to fix.

Protocol and Application Supported

- Application servers: WebLogic, IBM WebSphere, Oracle, JBoss, SAP, PeopleSoft, Siebel, Apache TomCat, Caucho Resin, Sun Java System Application Server, GlassFish application server, etc.
- Web Servers: Apache, Zeus Web Server, IIS, SunONE, iPlanet, etc.
- Web Applications: Exchange, Sharepoint, Outlook Web Access, etc.
- Media Delivery: full RTSP (TCP and UDP) support for Windows Media Services, Darwin Streaming Server, Helix Server, QuickTime Streaming Server
- VoIP Applications: support for SIP (Session Initiation Protocol)
- Next-generation protocols, including on-the-fly acceleration, inspection and modification of SOA/XML and Web2.0/AJAX traffic
- Detailed inspection and modification of long-lived protocols such as SMTP, POP3, IMAP and database sessions
- FTP, DNS, almost any TCP or UDP-based protocol
- Fully supports both IPv4 and IPv6 traffic, in mixed deployments where necessary

Specifications



Platform		XLB 8000		XLB 6000		XLB 5000		XLB 4000	
Model		Traffic Manager	Load Balancer	Traffic Manager	Load Balancer	Traffic Manager	Load Balancer	Traffic Manager	Load Balancer
Hardware									
Base Unit	Max. Throughput	Unlimited	Unlimited	50,000 TPS 2.0 Gpbs	50,000 TPS 2.0 Gpbs	5,000 TPS 1.0 Gpbs	5,000 TPS 1.0 Gpbs	2,500 TPS 0.5 Gpbs	5,000 TPS 1.0 Gpbs (4 IP only)
	Chassis Height	2U	2U	2U	2U	1U	1U	1U	1U
	Redundant AC Power	■	■	■	■	-	-	-	-
	Hot Swappable Hard Drive	■	■	■	■	-	-	-	-
	Number of Processors	8	8	4	4	4	4	4	4
	Memory	6 GB	6 GB	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB
	Hard Drive	160 GB x 2	160 GB x 2	320 GB x 2	320 GB x 2	320 GB	320 GB	320 GB	320 GB
	RAID	0 / 5	0 / 5	0 / 1	0 / 1	-	-	-	-
	10 Gigabit Ethernet	2	2	-	-	-	-	-	-
Software									
Scalability	Active/Active & Active/Passive	■	■	■	■	■	■	■	■
	TrafficCluster Size	64 Active Units	2 Active Units	64 Active Units	2 Active Units	64 Active Units	2 Active Units	64 Active Units	2 Active Units
	Application Cluster Size	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Loading Balancing	Supported Protocols	All TCP and UDP protocols; IPv6; HTTP, HTTPS, SOAP, FTP, SMTP, SIP, RTSP, DNS, custom, etc.		All TCP and UDP protocols; IPv6; HTTP, HTTPS, SOAP, FTP, SMTP, SIP, RTSP, DNS, custom, etc.		All TCP and UDP protocols; IPv6; HTTP, HTTPS, SOAP, FTP, SMTP, SIP, RTSP, DNS, custom, etc.		All TCP and UDP protocols; IPv6; HTTP, HTTPS, SOAP, FTP, SMTP, SIP, RTSP, DNS, custom, etc.	
	Layer-7 Loading Balancing	■	■	■	■	■	■	■	■
	Session Persistence	■	■	■	■	■	■	■	■
	SSL Decryption & Encryption	■	■	■	■	■	■	■	■
	Application Acceleration	■	■	■	■	■	■	■	■
	Application Health Monitoring	■	■	■	■	■	■	■	■
Traffic Management	Traffic Management Rules	RuleBuilder & TrafficScript rules; Java Extensions	Rule-Builder	RuleBuilder & TrafficScript rules; Java Extensions	Rule-Builder	RuleBuilder & TrafficScript rules; Java Extensions	Rule-Builder	RuleBuilder & TrafficScript rules; Java Extensions	Rule-Builder
	Entire Request & Response control	■	-	■	-	■	-	■	-
	Rate Shaping	■	-	■	-	■	-	■	-
	XML Processing	■	-	■	-	■	-	■	-
	SOAP Control API	■	-	■	-	■	-	■	-
	Content Caching	□	-	□	-	□	-	□	-
	Bandwidth Management	□	-	□	-	□	-	□	-
	Service Level Monitoring	□	-	□	-	□	-	□	-
Application Firewall Module	□	-	□	-	□	-	□	-	

■ Standard with base unit □ Available as an option - Not Available

Ordering Information

Celestix XLB Traffic Manager Appliance	
SKU Number	Product Description
XLB 4000 Traffic Manager Base Unit	
XLB-90900-080	XLB 5000 Traffic Manager Appliance (1U) - 6 x GgE (Max. Throughput: 5,000 TPS, 1.0 Gbps)
Support Service & Maintenance	
EFS-90900-100	Standard Service & Maintenance 8x5 - 1 year for XLB 5000 Traffic Manager
EFS-90900-300	Standard Service & Maintenance 8x5 - 3 years for XLB 5000 Traffic Manager
TFS-90900-100	Standard Service & Maintenance 24x7 - 1 year for XLB 5000 Traffic Manager
TFS-90900-300	Standard Service & Maintenance 24x7 - 3 years for XLB 5000 Traffic Manager
Options & Services	
XLB-90900-SLM	Add Service Level Monitoring
XLB-90900-BWM	Add Bandwidth Management
XLB-90900-CCO	Add Content Caching
XLB-90900-AFM	Add Application Firewall Module
XLB 5000 Traffic Manager Base Unit	
XLB-90910-080	XLB 5000 Traffic Manager Appliance (1U) - 6 x GgE (Max. Throughput: 5,000 TPS, 1.0 Gbps)
Support Service & Maintenance	
EFS-90910-100	Standard Service & Maintenance 8x5 - 1 year for XLB 5000 Traffic Manager
EFS-90910-300	Standard Service & Maintenance 8x5 - 3 years for XLB 5000 Traffic Manager
TFS-90910-100	Standard Service & Maintenance 24x7 - 1 year for XLB 5000 Traffic Manager
TFS-90910-300	Standard Service & Maintenance 24x7 - 3 years for XLB 5000 Traffic Manager
Options & Services	
XLB-90910-SLM	Add Service Level Monitoring
XLB-90910-BWM	Add Bandwidth Management
XLB-90910-CCO	Add Content Caching
XLB-90910-AFM	Add Application Firewall Module
XLB 6000 Traffic Manager Base Unit	
XLB-91220-080	XLB 6000 Traffic Manager Appliance (2U) - 6 x GgE (Max. Max. Throughput: 50,000 TPS, 2.0 Gbps)
Support Service & Maintenance	
EFS-91220-100	Standard Service & Maintenance 8x5 - 1 year for XLB 6000 Traffic Manager
EFS-91220-300	Standard Service & Maintenance 8x5 - 3 years for XLB 6000 Traffic Manager
TFS-91220-100	Standard Service & Maintenance 24x7 - 1 year for XLB 6000 Traffic Manager
TFS-91220-300	Standard Service & Maintenance 24x7 - 3 years for XLB 6000 Traffic Manager
Options & Services	
XLB-91220-SLM	Add Service Level Monitoring
XLB-91220-BWM	Add Bandwidth Management
XLB-91220-CCO	Add Content Caching
XLB-91220-AFM	Add Application Firewall Module
XLB 8000 Traffic Manager Base Unit	
XLB-92010-160	XLB 8000 Traffic Management Appliance (2U) - 8 x GgE / 2 x 10 GbE Fiber (Max. Throughput: Unlimited)
Support Service & Maintenance	
EFS-92010-100	Standard Service & Maintenance 8x5 - 1 year for XLB 8000 Traffic Manager
EFS-92010-300	Standard Service & Maintenance 8x5 - 3 years for XLB 8000 Traffic Manager
TFS-92010-100	Standard Service & Maintenance 24x7 - 1 year for XLB 8000 Traffic Manager
TFS-92010-300	Standard Service & Maintenance 24x7 - 3 years for XLB 8000 Traffic Manager
Options & Services	
XLB-92010-SLM	Add Service Level Monitoring
XLB-92010-BWM	Add Bandwidth Management
XLB-92010-CCO	Add Content Caching
XLB-92010-AFM	Add Application Firewall Module

Celestix XLB Load Balancer Appliance	
SKU Number	Product Description
XLB 4000 Load Balancer Base Unit	
XLB-90908-080	XLB 4000 Traffic Manager Appliance (1U) - 6 x GgE (Max. Throughput: 5,000 TPS, 1.0 Gbps) (4 IP only)
Support Service & Maintenance	
EFS-90908-100	Standard Service & Maintenance 8x5 - 1 year for XLB 4000 Load Balancer
EFS-90908-300	Standard Service & Maintenance 8x5 - 3 years for XLB 4000 Load Balancer
TFS-90908-100	Standard Service & Maintenance 24x7 - 1 year for XLB 4000 Load Balancer
TFS-90908-300	Standard Service & Maintenance 24x7 - 3 years for XLB 4000 Load Balancer
XLB 5000 Load Balancer Base Unit	
XLB-90918-080	XLB 5000 Traffic Manager Appliance (1U) - 6 x GgE (Max. Throughput: 5,000 TPS, 1.0 Gbps)
Support Service & Maintenance	
EFS-90918-100	Standard Service & Maintenance 8x5 - 1 year for XLB 5000 Load Balancer
EFS-90918-300	Standard Service & Maintenance 8x5 - 3 years for XLB 5000 Load Balancer
TFS-90918-100	Standard Service & Maintenance 24x7 - 1 year for XLB 5000 Load Balancer
TFS-90918-300	Standard Service & Maintenance 24x7 - 3 years for XLB 5000 Load Balancer
XLB 6000 Load Balancer Base Unit	
XLB-91228-080	XLB 6000 Traffic Manager Appliance (2U) - 6 x GgE (Max. Max. Throughput: 50,000 TPS, 2.0 Gbps)
Support Service & Maintenance	
EFS-91228-100	Standard Service & Maintenance 8x5 - 1 year for XLB 6000 Load Balancer
EFS-91228-300	Standard Service & Maintenance 8x5 - 3 years for XLB 6000 Load Balancer
TFS-91228-100	Standard Service & Maintenance 24x7 - 1 year for XLB 6000 Load Balancer
TFS-91228-300	Standard Service & Maintenance 24x7 - 3 years for XLB 6000 Load Balancer
XLB 8000 Load Balancer Base Unit	
XLB-92018-160	XLB 8000 Traffic Management Appliance (2U) - 8 x GgE / 2 x 10 GbE Fiber (Max. Throughput: Unlimited)
Support Service & Maintenance	
EFS-92018-100	Standard Service & Maintenance 8x5 - 1 year for XLB 8000 Load Balancer
EFS-92018-300	Standard Service & Maintenance 8x5 - 3 years for XLB 8000 Load Balancer
TFS-92018-100	Standard Service & Maintenance 24x7 - 1 year for XLB 8000 Load Balancer
TFS-92018-300	Standard Service & Maintenance 24x7 - 3 years for XLB 8000 Load Balancer

Please contact our sales representative or authorized reseller for support options for software upgrades.

For more information about Celestix XLB, please contact:

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