



Equalizer E450Gx

E-Commerce Application Delivery and Acceleration Appliance

High Performance Load Balancing and SSL Acceleration



Features

- Intelligent Layer 7, application-based load balancing
- Multi function appliance with multi-core processing
- Xcel™ - Hardware based SSL offload & HTTPS acceleration
- Equalizer VLB™ - Virtualization monitoring
- Extensive real-time and historical reporting

Benefits

- Guarantees application availability
- Supports persistent applications and Shopping Carts
- HTTPS (SSL) acceleration up to 8,500 TPS
- Reduces application response times
- Optimizes virtualized application performance
- Improves server and application manageability

Application Acceleration and Load Balancing

Coyote Point's Equalizer E450GX is purpose-built for high performance load balancing and application acceleration in E-commerce and secure SSL application environments. The E450GX is an ideal solution to availability and performance issues for mission critical applications requiring secure access, including E-commerce, banking and confidential records management. The E450GX delivers performance, management and acceleration in a single, easy-to-use load balancing appliance.

Xcel™ for Fast SSL: When Speed and Security Matter

Securing Web based applications means using SSL. However, SSL and HTTPS transactions can place a heavy burden on servers resulting in slow page loads. Additionally not all applications were written with SSL in mind or scale well when SSL is enabled. The E450GX eliminates these problems with a built-in Xcel™ SSL co-processor. Xcel's custom encryption offload hardware handles the CPU-intensive SSL handshake and encryption process, eliminating the SSL processing burden on the Web Servers. The result: faster server response times and a better user experience. Xcel also lifts the certificate management burden from administrators, providing a single point of control regardless of how many servers are configured. This provides a single point of control for certificate management and can significantly reduce the cost of doing business by reducing the number of SSL certificates you need to purchase.

Performance When You Need It

When you need to provide peak performance, look no further than the ultra-scalable all-Gigabit E450GX. The E450GX provides an impressive 8,500 HTTPS transactions per second; taking on the SSL encryption processing that can bring the most powerful server to its knees. The result is faster response times and a more positive user experience that reduces abandon rates and increases repeat customers.

Easy to Install and Manage

Equalizer E450GX combines load balancing performance with simplicity. It slides effortlessly into any network so you'll be up and running in less than an hour. Best of all, it's equally easy to manage. The intuitive administrative interface provides a secure, dynamic, user friendly experience for ease of setup and ongoing management from any desktop web browser.

Equalizer takes the guesswork and complexity out of application traffic management. The advanced, intuitive management interface includes configuration wizards to lead users through the set-up process for clusters, servers, match rules, and failover configurations. All on-screen objects are interactive - a simple mouse rollover gives you quick and easy real time graphical views of configuration and status.

Predictable, Reliable and Consistent

The bottom line for any business is making sure that applications and Web services are predictable, reliable and consistent. The E450GX delivers on that commitment with high performance Layer 7 load balancing, powerful application acceleration, intuitive configuration, and robust reporting for servers and clusters.

Equalizer appliances can be configured in a fault tolerant configuration with a redundant Equalizer appliance as a backup in hot standby. This allows network administrators to eliminate single points of failure and deliver maximum performance for any mission-critical service that requires 100% availability.

The Equalizer Advantage

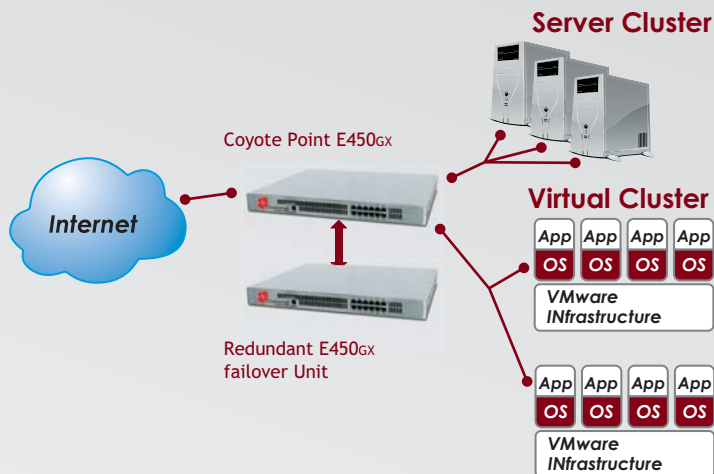
Coyote Point Equalizers simply outperform the competition. We invented affordable Application Traffic Management and today we lead the pack in predictable, reliable, consistent solutions.

E450Gx

E350Gx Performance and Capacity

L7 Requests/Sec	75,000/Sec
Throughput	1.0 Gbps
Max Virtual Clusters	Unlimited
Max Servers per Cluster	128
Max Servers	Unlimited
SSL Offloading	8,500 Transactions/second
Ethernet Connectivity	12 x GigE (1000 base-T)
Network Topologies	Full-NAT, Half-NAT, VLAN, Direct Server Return (DSR)

Comprehensive Load Balancing and Acceleration for all application environments



Virtualization Load Balancing Solutions

For virtualized environments, Equalizer VLB™ monitors performance metrics and availability via the VMware Infrastructure™ API to intelligently load balance virtualized applications for guaranteed availability.

Let us hear from you.

An industry pioneer, Coyote Point has been at the forefront of application delivery since 1999. For more information, contact your local reseller, visit www.coyotepoint.com or call (877) 367-2696.

Equalizer E450Gx Specifications

Applications Supported

All Web/HTTP based applications, including PHP, ASP, Oracle, Apache, etc. Microsoft Products including SharePoint, Exchange, Outlook Web Access and Remote Desktop. SSL VPN, Database clustering, Email services, Streaming Media.

Supported Protocols

Most TCP/IP and UDP based protocols including HTTP, HTTPS, SSL, SMTP, POP, IMAP, FTP, SQL, DNS, WAP, RADIUS.

Load Balancing Policies

Server latency, adaptive weighted server latency, least connections, weighted least connections, round robin, weighted round robin, direct server measurement and user defined policies.

Persistence Methods

Cookies, client IP, client network, header match rules.

Cryptographic Functions Supported

HTTPS, Secure Sockets Layer (SSL), Transport Layer Security (TLS), AES (128 and 256 bit), DES, 3DES, RC4, SHA-1, MD5, RSA, Hardware Random Number Generator.

Server & Application Failure Detection

Layer 7 via active content verification and server agents. Layer 4 via ICMP and TCP health check.

Fault Tolerance / Business Continuity

Full system-level redundancy supported (requires two Equalizers). Server heartbeat and configuration data exchanges over attached Ethernet(s).

Management

Secure Web based administration and management GUI (HTTP/HTTPS) Load Balancing Specific SNMP MIB Command Line Interfaces via Serial and SSH.

Reporting

Records up to seven days' performance history. Delivers highly detailed graphical reports with very fine granularity.

Support

8x5 phone and email support included for one year. 24x7 phone and email support available. Advance replacement available. Hardware warranted defect-free for one year.

Dimensions

H 1.75" W 17.25" D 15.50"

Weight

15lbs. (6.8 kg)

Power

120/240 VAC auto-detecting 50/60Hz, 112 Watts nominal (.95 A) at 120 VAC 60 Hz, 110 Watts nominal (.54 A) at 240 VAC 50 Hz.

Certifications

FCC, CFCC, UL, CAN/CSA, CE, VCCI, CB, IEC950, RoHS.

Environmental

Temperature: 40-105 F, 5-40 C.
Humidity: 5-90%, non-condensing.

