



Equalizer E650Gx

Datacenter Application Delivery and Acceleration Appliance

Enterprise Performance Load Balancing, SSL Acceleration, Web Compression
and Global Server Load Balancing



Features

- Intelligent Layer 7, application-based load balancing
- High performance dual-core processing architecture
- Xcel™ - Hardware based SSL offload & HTTPS acceleration
- Express™ - Hardware based Web compression
- Envoy™ - Global Server Load Balancing
- Equalizer VLB Advanced™ - Virtualization Management

Benefits

- Guarantees application availability
- Scales to support hundreds of applications and servers
- Highest SSL acceleration in its class 14,000 HTTPS Trans/Sec
- Ensures secure and speedy Web page downloads
- Delivers disaster recovery and business continuity
- Manage and optimize Virtualized application performance

Enterprise Class Performance

The E650Gx is designed from the ground up to deliver enterprise class performance. Intelligent application load balancing guarantees the performance and availability of high-traffic, mission critical applications. The E650's co-processing architecture utilizes dedicated acceleration hardware to deliver enterprise class performance. Custom acceleration processors offload CPU intensive SSL processing and the compression of HTTP Web content from your servers. The result is secure and efficient processing of Web application traffic. End user response times improve up to 5x, user productivity and satisfaction rise, while bandwidth requirements plummet as much as 50%.

Xcel™ - SSL Offload & Acceleration

Xcel is a dedicated hardware based SSL co-processor built into the Equalizer E650Gx. This purpose-built security accelerator processes over 14,000 SSL transactions per second. Xcel allows the E650Gx to take on a high level of HTTPS traffic that can bring the most powerful server to its knees. Xcel's custom encryption offload hardware handles the CPU-intensive SSL handshake and encryption process, offering security acceleration that meets your need for speed.

Express™ - GZIP Web Compression

GZIP compression is the only completely transparent tool that reduces bandwidth requirements for dynamically generated web application and content delivery. Express gives the E650Gx a dedicated hardware engine, purpose-built for compressing HTTP content using GZIP. Express decreases the bandwidth required to deliver HTTP content by a factor of 2x-6x, and further cuts latency by reducing the number of packets required to deliver web pages and other content. Capacity and performance return on investment can be instantaneous.

Simplified Application Traffic Management

Coyote Point's Equalizer E650Gx combines load balancing and acceleration in a single appliance. As a complete solution for traffic management and acceleration the E650Gx guarantees the fastest return on your investment. Application traffic management requires visibility and manageability. Equalizer's advanced, intuitive management interface includes configuration wizards that lead users through the set-up process for clusters, servers, match rules, and failover configurations. All on-screen objects are interactive giving users real time graphical views of configuration and status. You'll have detailed graphical tracking and performance statistics from any desktop web browser and complete control of application traffic flows.

Advanced Virtualization Load Balancing

The E650Gx is the first appliance to offer real time proactive optimization of virtualized environments. Equalizer VLB™ monitors performance metrics via the VMware Infrastructure API and combines them with Equalizer's additional application performance and availability monitoring to optimize load balancing in virtualized environments. Equalizer VLB Advanced™ offers VLB Smart Control™. Smart Control allows the administrator to set threshold conditions that trigger VMware actions, such as the activation and deactivation of virtual server instances.

Envoy™ - Business Continuity and Disaster Recovery™ with Global Server Load Balancing (GSLB)

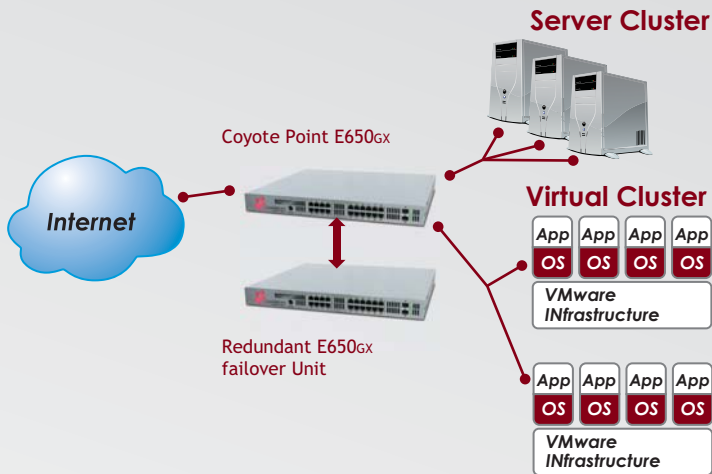
Envoy is Coyote Point's Global Server Load Balancing software that comes standard with the E650Gx. Envoy extends performance, scalability, failover and disaster recovery across multiple data centers (or multiple networks). Traffic is directed according to business-defined policies that are matched against data center proximity and real-time performance and availability. Envoy allows redundant "Active-Active" failover to be fully supported with a secondary Equalizer so that mission critical resources are always available and operating at peak performance.

E650Gx

E650Gx Performance and Capacity

L7 Requests/Sec	110,000/Sec
Throughput	1.8 Gbps
Max Virtual Clusters	Unlimited
Max Servers per Cluster	512
Max Servers	Unlimited
Compression Throughput	1 Gb/s
SSL Offloading	14,000 Transactions/second
Ethernet Connectivity	20 x GigE (1000 base-T)
Fiber Connectivity	2 x GigE SFP
Network Topologies	Full-NAT, Half-NAT, 802.1Q (Tagged VLAN), Direct Server Return (DSR)

Comprehensive Load Balancing and Acceleration for all application environments



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 E650Gx 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. Management via SNMP, SSH, HTTP & HTTPS.

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.

Compression Algorithm

GZIP.

Data Compressed

HTML, Office Document, Executables (.Exe), XML, CSS, PDF, SHTML, DHTML, JHTML, PHTML, JavaScript, JSP and similar files.

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 exchanged over attached Ethernet(s). Disaster recovery with Envoy.

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 of 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.

