

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
- Xcel™ - Hardware based SSL & HTTPS Acceleration
- Express™ - Hardware based Web Compression
- Envoy™ - Global Server Load Balancing
- Equalizer VLB™ Advanced Virtualization Integration

Benefits

- Highest Web application acceleration in its class
- Guarantees application availability
- Ensures secure and speedy Web page downloads
- Scales to support hundreds of applications and servers
- Delivers disaster recovery and business continuity
- Incorporates all Coyote Point Acceleration and High Availability technologies in one affordable appliance.



Enterprise Class Performance

The E650Gx is the flagship of Coyote Point's Equalizer family. Designed from the ground up to deliver superior application performance and availability for high-traffic, mission critical applications. The E650's dedicated acceleration hardware delivers enterprise class performance, finally affordable to the mid market. Acceleration processors in the E650Gx offload CPU intensive SSL processing and Web content compression from your servers, resulting in 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 the high 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 you security acceleration that will meet your need for speed.

Express™ - GZIP Web Compression

GZIP compression is the only completely transparent tool for reducing 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.

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

Envoy is the Global Server Load Balancing capability of the E650Gx that extends performance and scalability across multiple data centers. Traffic is directing 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.

Easy to Install and Manage

Coyote Point's Equalizer E650Gx combines load balancing and acceleration in a single appliance. As a complete solution that's easy to install the E650Gx guarantees the fastest return on your investment. Best of all, it's equally easy to manage. 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. Simple mouse rollover of objects gives users quick and easy 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. In other words, you'll have it all.

Advanced Virtualization Load Balancing

Equalizer VLB™ monitors performance metrics via the VMware Infrastructure API combines them with application performance and availability invisible to VMware to optimize load balancing in virtualized environments. Equalizer VLB Advanced™ offers VLB Smart Control™; threshold conditions that trigger VMware events to automate activation and deactivation of virtual server instances. The E650Gx is the first appliance to offer real time proactive optimization of virtualized environments.



