

Express

Increase bandwidth without increasing bandwidth costs.



CoyotePoint
Systems Inc



Is your bandwidth on overload?

Everyone agrees on the need to speed website response. But the size and complexity of downloads keeps growing. Web servers hand out larger and larger pages that take longer and longer to pass through your last mile.

Rich content is commonplace. TCP/IP processing times are higher. And even though Web pages look more or less the same, there's a lot more behind them today.

It all has to fit into Internet pipelines demanding more and more real-time bandwidth. But bandwidth is expensive – and relatively stable. So as download times expand, so do the risks that users will leave your site for a more responsive one.

Accelerate content delivery without adding bandwidth.

Compression is the solution, and Coyote Point's Express delivers it. Express is a powerful hardware add-on card. It delivers content-delivery acceleration through compression with Coyote Point's Layer 7 traffic management line. Express also delivers an immediate return on investment in reduced bandwidth costs, usually in the first few weeks. Express:

- Speeds dynamic-content downloads.
- Reduces delivery bandwidth needs up to a factor of six.
- Offloads HTTP/HTTPs compression at 1 Gb/s to a dedicated PCI-X hardware card.
- Increases the throughput of Web acceleration devices.
- Speeds TCP/IP processing.
- Ensures that Equalizer is fully focused on application traffic management.

Leverage the power of browsers.

Express-compressed data travels quickly to users' browsers, where it's instantly decompressed and displayed. No change is required on the client end. Express simply maximizes the built-in browser power to realize content-delivery acceleration.

Availability and responsiveness are heightened without a penny for extra bandwidth. Content delivery costs go down, and that often means thousands saved each month.

Save time and trouble with Express acceleration.

Express contains two compression engines in a single card. A built-in load distributor ensures both engines are used evenly.

The card plugs into Coyote Point Equalizers – the E350si, E450si, E550si and Extreme II application traffic managers. Once installed, Express automatically compresses and accelerates content – HTML, XML, JavaScript, CSS and other non-compressed formats.

Clients say our hardware solution is ideal. Unlike new software, it frees traffic managers for other network priorities that can't be so easily automated.



Express

Benefits

Faster page downloads.

Compressing static and dynamic HTML pages drives faster page downloads by a factor of 2x-3x, depending on data compression ratios and page compositions.

Reduced bandwidth costs.

Compressing 1Gb/s down to about 250 Mb/s lowers both the peak and average bandwidth requirements by a factor of four. Bandwidth costs go down proportionately, letting Express pay for itself in a matter of weeks.

Low CPU utilization.

Express compression is a hardware solution. That makes more CPU power available for other core functions, such as content switching and acceleration. With less data to transmit, Equalizer's processing burden is also reduced, saving expensive CPU cycles - a significant issue in high-traffic situations.

Performance Testing - Dialup Users

Performance Testing

	Measured Download	Compression Ratio
	Speed Improvement	Reduced Bandwidth
Hotmail	2.31x	3.96
eBay	1.62x	4.3
eBooks	1.44x	5.8
Google	2.21x	3.72

Let us hear from you.

An industry pioneer, Coyote Point practically invented server load balancing in 1996. Our award winning, high-availability, high-performance traffic management products offer all the acceleration you'll ever need.

For information visit www.coyotepoint.com, email info@coyotepoint.com or call 1.877.367.2696.



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Express® Specifications

Data Compressed

Any data not already compressed can be submitted for compression.

- HTML
- JavaScript
- Office Document.
- Executables (.Exe)
- XML
- CSS
- PDF

Compression Algorithm

GZIP

Performance

Raw data transfer rates = 1 Gb/s

Browsers Supported

Netscape 4.07 and higher
Internet Explorer 4.72 and higher

Power Consumption

+3.3V: 785 mA (Typ)/1.1 A (Max)
+5 V: 200 mA (Typ)/250 mA (Max)

Bus Type

PCI-X 2.0 Mode1 compliant (66 MHz, 64 bit)
Backward Compatible with PCI r2.3 (up to 33MHz)

Operating Environment

Ambient Temperature: 5-45°C
Humidity: 5% - 85 % (non-condensing)

