

# Elfiq Link Balancer Product Family

## KEY BENEFITS

### ***Business Continuity for All***

By employing multiple ISPs using multiple carrier technologies, the risk of downtime is significantly reduced so if one carrier is unavailable at least another one is able to ensure continuity.

### ***Faster Internet Access***

Multiple concurrent carriers mean more available bandwidth for users, services and applications so no one waits and productivity is enhanced.

### ***Lower Telecom Costs***

Low-cost bandwidth providers offering services over xDSL, cable modem, local fiber or fixed wireless can be used to lower monthly telecom expenses.

### ***Balanced Incoming Traffic***

Inbound traffic can benefit from multiple carriers to provide enhanced performance and uptime for customers and remote users.

### ***The Failsafe with a Failsafe***

Elfiq Networks is the only manufacturer of link balancers to offer both high availability units and a bypass mode in case of hardware unit failure.

Even if the Elfiq unit stops operating, your organization does not, and that's true business continuity value for all.

## Internet Access Resilience and Performance for Any Organization

Organizations of all sizes and missions depend on the Internet to deliver their value proposition and perform daily business tasks. Without the Internet, operations become complex and costly and this is where Elfiq Networks' Link Balancer product family can ensure smooth Internet access while keeping operational costs under control.



Elfiq Networks' Link Balancers enable the use of multiple concurrent bandwidth providers to ensure maximum performance and uptime. With Elfiq, unreliable Internet access is a thing of the past and fast reliable access is constantly available.

*"Elfiq is an appliance that no company should be without! I have 2x 100Mbps fiber connections and in the last month BOTH have failed (at different times). Elfiq did what it was designed to do and my users experienced ZERO downtime!"*

*"I even had to go and inform senior management that we were in failover mode - they had no indication. To top it all off, I was the one to inform my ISP's they were down thanks to the Elfiq's email alerts I received!"*

*Dan Elder, IT Manager  
Sprott Asset Management*

# The Elfiq Difference: Reliability, Simplicity, Performance



## Reliability

Elfiq Networks has been providing market-leading Link Balancing products since 2004, delivering a trusted solution used in over 110 countries. With Elfiq products, it is not uncommon to find customers with over 10,000 hours of uptime delivering non-stop consistent Internet access for the organization.



## Simplicity

Elfiq Networks offers the only true Layer-2 based Link Balancer on the market, enabling a new level of simplicity. The key benefit of this strategic product design is a seamless implementation of the Link Balancer in the new environment as no changes are required to existing systems such as firewalls, VPN gateways and routers. This translates into direct cost savings since implementations are shorter, safer and the Elfiq LAN Failsafe feature guarantees connectivity even when the unit loses power.



## Performance

Customers are able to choose the right solution for their needs without sacrificing performance. Even the entry-level model offers enterprise-class performance and features not available anywhere else in this product category, within budgets. Enterprise clients will find gigabit-class delivery of bandwidth with the ability to support millions of concurrent sessions.



*"Radialpoint enables large and mid-size broadband providers to deliver managed Internet services -- such as Firewall, Anti-Virus, Anti-Spyware and Parental Control -- to their subscribers quickly, easily and profitably.*

*Our end-user software requires periodic verification to our data center for updates. Availability of this service is essential. Processing up to 40 millions iDNS requests per day, our Elfiq units handle the load perfectly and are a very stable and robust product. "*

Mr. John Bombakos  
Director of Technical Operations  
Radialpoint Inc., USA and Canada



# Elfiq Networks Link Balancer Product Line

Format	LB-550B	LB-550E	LB-800E	LB-1600E	LB-2500E	LB-5000E
	Tabletop/1U	Tabletop/1U	Tabletop/1U	Tabletop/1U	Tabletop/1U	1U
<b>Maximum # of ISP links</b>	2	3	6	16	64	320
<b>Maximum throughput upload + download</b>	70Mbps	110Mbps	480Mbps	800Mbps	1.6Gbps	3.3Gbps
<b>Maximum throughput upload or download</b>	35Mbps	55Mbps	240Mbps	400Mbps	800Mbps	1.65Gbps
<b>Maximum number of concurrent sessions</b>	32,000	32,000	64,000	384,000	1 536 000	5 120 000
<b>Number of balancing algorithms</b>	9	9	9	9	9	9
<b>LAN Failsafe</b>	✓	✓	✓	✓	✓	✓
<b>High-availability</b>	-	-	✓	✓	✓	✓
<b>Virtual Balancers (VFls)</b>	-	-	-	-	2	5
<b>3G/4G Mobile stick support</b>	2	3	4	8	8	8
<b>Traffic Segmentation</b>	✓	✓	✓	✓	✓	✓
<b>Quality of Service (QoS) rules</b>	32	32	32	62	128	256
<b>iDNS inbound balancing</b>	✓	✓	✓	✓	✓	✓
<b>Intelligent Condition Verifier</b>	-	✓	✓	✓	✓	✓
<b>Time-Based Conditions</b>	-	✓	✓	✓	✓	✓
<b>Intelligent Service Verifier</b>	-	-	✓	✓	✓	✓
<b>SIP-Aware</b>	✓	✓	✓	✓	✓	✓
<b>SitePathMTPX (number of sites)</b>	-	1	2	8	64	512
<b>Geolink option</b>	-	-	-	Inbound	Global	Global
<b>Future IPv6 option</b>	-	-	✓	✓	✓	✓

## Elfiq Networks Link Balancer Key Features

Feature	Description
 Advanced Balancing Algorithms	Balancing methods for inbound and outbound traffic
 Traffic Segmentation	Policy-based traffic direction using multiple links
 Quality of Service (QoS)	Proactive traffic promoting and limiting
 Intelligent DNS (iDNS)	Inbound balancing feature utilizing all available ISP links
 Intelligent Service Verifier	Service verification for environments with multiple identical servers or services
 Intelligent Condition Verifier	The Intelligent Condition Verifier enables complex condition-based configurations.
 Time of Day Conditions	Automatic configuration modifications based on current time
 LAN Failsafe	The failsafe in a failsafe to guarantee maximum uptime for single unit deployments
 High Availability	Redundant units for failover environments
 SIP Aware Link Balancer	Enables enhanced SIP-based VoIP deployments
 SitePathMTPX	Point to point application acceleration and resilience
 Inbound Geolink	Manage inbound traffic across multiple physical locations
 Global Geolink	Manage inbound and outbound traffic across multiple physical locations
 USB Configuration	Remote configuration and firmware updating with USB flash drives
 Virtual Forwarding Interfaces	Virtualization for concurrent balancers in the same unit
 3G/4G Mobile Stick Support	Use USB-based 3G/4G modems for maximum uptime
 Mobile Site Manager	iPhone-based management tool

For more information on Elfiq Networks, our products and how we can help your organization please visit [www.elfiq.com](http://www.elfiq.com)

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