

# 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.



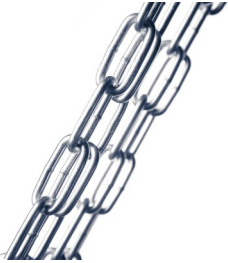
Elfiq Networks' Link Balancers enable the use of multiple concurrent bandwidth providers to ensure maximum performance and uptime. With Elfiq, unreliable Internet access is a thing of the past and fast reliable access is constantly available.

*"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  
Sprout 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.



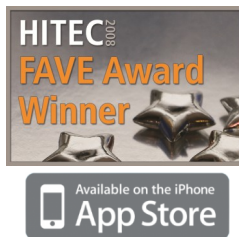
## Simplicity

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

|                                       | LB-550B     | LB-550E     | LB-800E     | LB-1600E    | LB-2500E  | LB-5000E  |
|---------------------------------------|-------------|-------------|-------------|-------------|-----------|-----------|
| Format                                | Tabletop/1U | Tabletop/1U | Tabletop/1U | Tabletop/1U | 1U        | 1U        |
| Maximum # of ISP links                | 2           | 3           | 6           | 16          | 64        | 320       |
| Maximum throughput upload + download  | 70Mbps      | 1.10Mbps    | 480Mbps     | 800Mbps     | 1.6Gbps   | 3.3Gbps   |
| Maximum throughput upload or download | 35Mbps      | 55Mbps      | 240Mbps     | 400Mbps     | 800Mbps   | 1.65Gbps  |
| Maximum number of concurrent sessions | 32,000      | 32,000      | 64,000      | 384,000     | 1 536 000 | 5 120 000 |
| Number of balancing algorithms        | 9           | 9           | 9           | 9           | 9         | 9         |
| LAN Failsafe                          | ✓           | ✓           | ✓           | ✓           | ✓         | ✓         |
| High-availability                     | -           | -           | ✓           | ✓           | ✓         | ✓         |
| Virtual Balancers (VFIs)              | -           | -           | -           | -           | 2         | 5         |
| 3G/4G Mobile stick support            | 2           | 3           | 4           | 8           | 8         | 8         |
| Traffic Segmentation                  | ✓           | ✓           | ✓           | ✓           | ✓         | ✓         |
| Quality of Service (QoS) rules        | 32          | 32          | 32          | 62          | 128       | 256       |
| iDNS inbound balancing                | ✓           | ✓           | ✓           | ✓           | ✓         | ✓         |
| Intelligent Condition Verificator     | -           | ✓           | ✓           | ✓           | ✓         | ✓         |
| Time-Based Conditions                 | -           | ✓           | ✓           | ✓           | ✓         | ✓         |
| Intelligent Service Verificator       | -           | -           | ✓           | ✓           | ✓         | ✓         |
| SIP-Aware                             | ✓           | ✓           | ✓           | ✓           | ✓         | ✓         |
| SitePathMTPX (number of sites)        | -           | 1           | 2           | 8           | 64        | 512       |
| Geolink option                        | -           | -           | -           | Inbound     | Global    | Global    |
| Future IPv6 option                    | -           | -           | ✓           | ✓           | ✓         | ✓         |

# 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 Verificator   | Service verification for environments with multiple identical servers or services     |
|  Intelligent Condition Verificator | The Intelligent Condition Verificator 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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