E-60 SERIES LINK BALANCERS

Powerful and Flexible Solutions to Manage Bandwidth and Performance

The ELFIQ E60 Series by Adaptiv Networks provides your organization with the ultimate bandwidth management tool that ensures your company never loses its Internet connection and provides you full bandwidth control. Market proven business continuity solutions for Enterprises and the Public Sector.

The E-60 Series includes three licences, the E60-1000, E60-1500 and E60-2000, with active features according to model specifications.

Customers can protect their investment by upgrading their new E60-1000 and E60-1500 licenses to higher levels of performance. This structure gives small and medium businesses the option to upgrade the device or even deploy it as a multi-site SD-WAN or Hybrid WAN solution.

The E60-2000 can manage and link load balance up to 32 ISP or private links with a total throughput of 2000 Mbps to ensure maximum uptime and added performance.

E-60 Features

- Throughput Up To 2Gbps with the E60-2000
- Up To 32 ISP or Private Links
- Deploy Individually or in a SD-WAN
- Protect Your Investment With Scalable Performance Levels

ELFIQ by Adaptiv Networks

Contact us today to find a certified ELFIQ solution provider

adaptiv-networks.com | sales@adaptiv-networks.com
## PERFORMANCE

<table>
<thead>
<tr>
<th></th>
<th>E60-1000</th>
<th>E60-1500</th>
<th>E60-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum throughput ¹ (upload and download combined)</td>
<td>1Gbps</td>
<td>1.5Gbps</td>
<td>2Gbps</td>
</tr>
<tr>
<td>Number of sessions ⁴</td>
<td>256,000</td>
<td>512,000</td>
<td>512,000</td>
</tr>
<tr>
<td>Number of ISP/Links ⁴</td>
<td>16</td>
<td>24</td>
<td>32</td>
</tr>
<tr>
<td>Number of 3G/4G/LTE USB Links</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Maximum Number of Link Balancer Instances (VFI)</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Outgoing Traffic Balancing</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Incoming Traffic Balancing</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

## FEATURES

<table>
<thead>
<tr>
<th></th>
<th>E60-1000</th>
<th>E60-1500</th>
<th>E60-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINK BALANCING</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSI Model Layer 2 Operation (Inline Unit)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Persistent Session Management</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Number of Networks (Subnets) Per Link</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Number of IDNS Records (Intelligent DNS)</td>
<td>512</td>
<td>1024</td>
<td>4095</td>
</tr>
<tr>
<td>Real Time Balancing Mode</td>
<td>NAT/TAG/PREF</td>
<td>NAT/TAG/PREF</td>
<td>NAT/TAG/PREF</td>
</tr>
<tr>
<td>Lan Failsafe Support</td>
<td>Programmable, 2 pairs</td>
<td>Programmable, 2 pairs</td>
<td>Programmable, 2 pairs</td>
</tr>
</tbody>
</table>

## TRAFFIC SHAPING & BANDWIDTH MANAGEMENT

<table>
<thead>
<tr>
<th></th>
<th>E60-1000</th>
<th>E60-1500</th>
<th>E60-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>App Optimizer for Deep-Packet Inspection (Option)</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Quality of Service (QoS) Rules ⁵</td>
<td>16</td>
<td>32</td>
<td>64</td>
</tr>
</tbody>
</table>

## SITE-TO-SITE APPLICATION ACCELERATION

<table>
<thead>
<tr>
<th></th>
<th>E60-1000</th>
<th>E60-1500</th>
<th>E60-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sitepathmtpx Supported ⁵</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sitepath AES128 Encryption</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Maximum Number of Sites</td>
<td>6</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Maximum Number of Paths</td>
<td>64</td>
<td>96</td>
<td>128</td>
</tr>
</tbody>
</table>

## GEOGRAPHIC BALANCING (POWERED BY GEOLINK)

<table>
<thead>
<tr>
<th></th>
<th>E60-1000</th>
<th>E60-1500</th>
<th>E60-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Geolink option</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Maximum Number of Remote Sites</td>
<td>6</td>
<td>8</td>
<td>10</td>
</tr>
</tbody>
</table>
## HYBRID WAN (POWERED BY FMR)

<table>
<thead>
<tr>
<th>Feature</th>
<th>E60-1000</th>
<th>E60-1500</th>
<th>E60-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Sites Supported</td>
<td>Up to 50</td>
<td>Up to 50</td>
<td>Up to 512</td>
</tr>
<tr>
<td>FMR Links</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>VPN Instances</td>
<td>4</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td>Tunnels per Instance</td>
<td>32</td>
<td>32</td>
<td>64</td>
</tr>
<tr>
<td>VPN Throughput</td>
<td>300Mbps</td>
<td>300Mbps</td>
<td>300Mbps</td>
</tr>
</tbody>
</table>

### ADDITIONAL BALANCING FEATURES

- **Internal Service Verification**
- **Time of Day Conditions**
- **Intelligent Condition Verificator**

### HARDWARE

<table>
<thead>
<tr>
<th>Feature</th>
<th>E60-1000</th>
<th>E60-1500</th>
<th>E60-2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of 10/100/1000 Copper Interfaces</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>LTE Modem Inside</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Rackmount</td>
<td>Desktop (Mounting brackets available)</td>
<td>Desktop (Mounting brackets available)</td>
<td>Desktop (Mounting brackets available)</td>
</tr>
<tr>
<td>No Moving Parts Design</td>
<td>Fan only</td>
<td>Fan only</td>
<td>Fan only</td>
</tr>
<tr>
<td>LCD Display</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>12V DC Power in connector</td>
<td>12V DC Power in connector</td>
<td>12V DC Power in connector</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0°C to 40°C</td>
<td>0°C to 40°C</td>
<td>0°C to 40°C</td>
</tr>
<tr>
<td>Certifications</td>
<td>FCC/CE</td>
<td>FCC/CE</td>
<td>FCC/CE</td>
</tr>
<tr>
<td>Size - W, L, H (Inches)</td>
<td>8.66” x 4.13” x 1.73”</td>
<td>8.66” x 4.13” x 1.73”</td>
<td>8.66” x 4.13” x 1.73”</td>
</tr>
<tr>
<td>Size - W, L, H (mm)</td>
<td>220mm x 105mm x 44mm</td>
<td>220mm x 105mm x 44mm</td>
<td>220mm x 105mm x 44mm</td>
</tr>
<tr>
<td>Hardware Warranty</td>
<td>12 months</td>
<td>12 months</td>
<td>12 months</td>
</tr>
<tr>
<td>Underlying Appliance</td>
<td>FWS-2360</td>
<td>FWS-2360</td>
<td>FWS-2360</td>
</tr>
</tbody>
</table>

1. Values reflect the guaranteed throughput that can be managed by the device for link balancing purpose.
2. Throughput can be achieved through the use of LAG + LACP(802.3AD).
3. To achieve this level of throughput, the end-user must use at least 2 VFIs and/or bond multiple ISP links together.
4. Includes the total capacity of all Virtual Forwarding Interfaces (VFIs).
5. Some values listed in our specification matrix (including Throughput, Number of Sessions per second or Total Number of Sessions) should be considered “peak” values.
6. VPN throughput capacity is calculated based on the processing power of the according LBX Series.

- All Platforms Support Ethernet Bonding.
- All Platforms Are Built With The Following Features: Watchdog Timer and Session Guard (DoS protection).
- All Platforms Support The Following Uptime-Related Features: High availability deployments; Multimode.
- All Platforms Support: DHCP and PPPoE; Dynamic MTU/MSS; 802.1Q (vlan); Real time filtering (shunning); NAT, Block NAT, NAT Masquerading and PAT; and come equipped with a built-in probe.