

LBX400 SERIES

Enterprise-Grade Link Balancing for Maximum Flexibility and Performance



Using ELFIQ's exclusive Layer-2 design, the LBX400 Series delivers enterprise-level performance and features for small and medium businesses by proactively enabling link load balancing across multiple ISP links for business continuity. The LBX400 Series is a multi-core platform with advanced options like ELFIQ App Optimizer that ensures no bandwidth degradation.

The LBX400 Series includes three models, the LBX410, LBX420, and LBX430, with active features according to model specifications.

Customers can protect their investment by upgrading their new LBX410 and LBX420 devices to higher levels of performance.

The LBX410 is ideal for SMBs, branch offices and retail sites with a typical 2 link scenario (for example one MPLS and one additional link backup). This is also ideal for countries and regions with limited bandwidth connectivity under 50 Mbps.

The LBX430 can manage and link load balance up to 8 ISP or private links with a total throughput of up to 400 Mbps for maximum uptime and added performance.

Features



Throughput Of Up to 400Mbps with the LBX430



Up To 2 Upgrade Paths Available



Ideal for SMB and Branch Offices



Cost-Efficient Solution to Bandwidth Management

ELFIQ by Adaptiv Networks

Contact us today to find a certified ELFIQ solution provider

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adaptiv-networks.com

LBX400 SERIES PRODUCTS

Performance	LBX410	LBX420	LBX430
Maximum throughput ¹ (upload and download combined)	100Mbps	200Mbps	400Mbps
Number of sessions ⁴	64,000	128,000	128,000
Number of ISP/Links ⁴	2	6	8
Number of 3G/4G/LTE USB Links	2	6	8
Maximum Number of Link Balancer Instances (VFI)	1	2	2
Outgoing Traffic Balancing	●	●	●
Incoming Traffic Balancing		●	●

Features

	100Mbps	200Mbps	300Mbps
LINK BALANCING			
OSI Model Layer 2 Operation (Inline Unit)	●	●	●
Persistent Session Management	●	●	●
Number of Networks (Subnets) Per Link	4	4	8
Number of IDNS Records (Intelligent DNS)		16	256
Real Time Balancing Mode	NAT	NAT / TAG / PREF	NAT / TAG / PREF
Lan Failsafe Support	Programmable 1 pair	Programmable 1 pair	Programmable 1 pair

TRAFFIC SHAPING & BANDWIDTH MANAGEMENT

App Optimizer for Deep-Packet Inspection (Option)	●	●	●
Quality of Service (QoS) Rules ⁵	16	32	64

SITE-TO-SITE APPLICATION ACCELERATION

Sitepathmtpx Supported ⁵	●	●
Sitepath AES128 Encryption	●	●
Maximum Number of Sites	1	2
Maximum Number of Paths	8	16

GEOGRAPHIC BALANCING (POWERED BY GEOLINK)

Global Geolink option	●	●
Maximum Number of Remote Sites	2	3

LBX400 SERIES PRODUCTS

HYBRID WAN (POWERED BY FMR)

Remote Sites Supported	Up to 50	Up to 512
FMR Links	3	4

ADDITIONAL BALANCING FEATURES

Internal Service Verification	•	•	•
Time of Day Conditions	•	•	•
Intelligent Condition Verificator	•	•	•

Hardware

	LBX410	LBX420	LBX430
Number of 10/100/1000 Copper Interfaces	4	4	4
Number of 10Gbps Copper Interfaces			
Number of 10Gbps Fiber Interfaces with SFP+ Adaptor Module (Option)			
Rackmount	Tabletop	Tabletop	Tabletop
No Moving Parts Design	Yes	Yes	Yes
Power Requirements	100~240V @ 50~60Hz 14.5W	100~240V @ 50~60Hz 14.5W	100~240V @ 50~60Hz 14.5W
Operating Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C
Certifications	CE / FCC / RoHS	CE / FCC / RoHS	CE / FCC / RoHS
Size - W, L, H (Inches)	6.3 x 4.1 x 1.37	6.3 x 4.1 x 1.37	6.3 x 4.1 x 1.37
Size - W, L, H (mm)	160 x 104 x 35	160 x 104 x 35	160 x 104 x 35
Hardware Warranty	12 months	12 months	12 months

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.