



ELFIQ NETWORKS LINK BALANCER DETAILED PRODUCT MATRIX

July 2016
Release 3.8.3

LBX SERIES	LBX400 SERIES			LBX700 SERIES			LBX1200 SERIES			QUANTUM UNITS	
PERFORMANCE	LBX410	LBX420	LBX430	LBX710	LBX720	LBX730	LBX1210	LBX1220	LBX1230	LBX2600	LBX5500
Maximum throughput ¹ (upload and download combined)	100Mbps	200Mbps	400Mbps	600Mbps	600Mbps	800Mbps	1Gbps	1Gbps	1.5Gbps	3Gbps ²	12Gbps
Maximum throughput with Quantum Performance Pack (Option) ^{1,3}										6Gbps ³	24 Gbps ³
Number of sessions ⁴	64,000	128,000	128,000	128,000	256,000	256,000	256,000	512,000	512,000	2,048,000	4,096,000
Number of ISP links ⁴	2	6	8	10	12	14	16	24	32	64	256
Number of 3G/4G/LTE USB Links	2	6	8	10	12	14	16	16	16	16	16
Maximum number of Link Balancer instances (VFI)	1	2	2	1	2	2	1	2	2	2	4
Outgoing traffic balancing	•	•	•	•	•	•	•	•	•	•	•
Incoming traffic balancing		•	•		•	•		•	•	•	•

FEATURES	LBX410	LBX420	LBX430	LBX710	LBX720	LBX730	LBX1210	LBX1220	LBX1230	LBX2600	LBX5500
Link Balancing											
OSI model Layer 2 operation (inline unit)	•	•	•	•	•	•	•	•	•	•	•
Persistent session management	•	•	•	•	•	•	•	•	•	•	•
Number of networks (subnets) per link	4	4	8	16	16	16	32	32	32	64	64
Number of IDNS records (Intelligent DNS)		16	256		256	1,024		1,024	4,095	65,536	65,536
Real time balancing mode	NAT	NAT / TAG / PREF	NAT / TAG / PREF	NAT	NAT / TAG / PREF	NAT / TAG / PREF	NAT	NAT / TAG / PREF	NAT / TAG / PREF	NAT / TAG / PREF	NAT / TAG / PREF
LAN Failsafe support	Programmable 1 pair	Programmable 1 pair	Programmable 1 pair	Programmable 2 pairs	Programmable 2 pairs	Programmable 2 pairs	Programmable 2 pairs	Programmable 2 pairs	Programmable 2 pairs	Programmable 2 pairs	Programmable 2 pairs
Traffic shaping & bandwidth management											
App Optimizer for Deep-Packet Inspection (Option)	•	•	•	•	•	•	•	•	•	•	•
Quality of Service (QoS) rules ⁵	16	32	64	16	32	64	16	32	64	128	256
Site-to-site application acceleration											
SitePathMTPX supported ⁵		•	•		•	•		•	•	•	•
SitePath AES128 encryption		•	•		•	•		•	•	•	•
Maximum number of sites		1	2		2	4		8	16	64	512
Maximum number of paths		8	16		16	32		64	128	512	2,048
Geographic balancing (powered by Geolink)											
Global Geolink option		•	•		•	•		•	•	•	•
Maximum number of remote sites		2	3		4	6		8	10	16	32
Hybrid WAN (powered by FMR)											
Remote Sites Supported		Up to 50	Up to 512		Up to 50	Up to 512		Up to 50	Up to 512	Up to 512	Up to 512
FMR Links		3	4		5	6		8	8	8	8
VPN instances		1	2		2	4		4	8	8	8
Tunnels per instance		10	25		25	32		32	64	64	512
VPN Throughput ⁶		100Mbps	100Mbps		150Mbps	150Mbps		300Mbps	300Mbps	750Mbps	1Gbps
Additional Balancing features											
Internet Service Verificator		•	•		•	•		•	•	•	•
Time of Day conditions		•	•		•	•		•	•	•	•
Intelligent Condition Verificator		•	•		•	•		•	•	•	•

- Values reflect the minimum guaranteed throughput that can be managed by the device for link balancing purpose.
- Throughput can be achieved through the use of LAG + LACP(802.3AD). Available on LBX2600 rev. 1&2 and LBX5500 rev. 2. LBX5500 rev. 1 could be limited to 20Gbps.
- To achieve this level of throughput, the end-user must use at least 2 VFIs and/or bond multiple ISP linkgs together.
- Includes the total capacity of all Virtual Forwarding Interfaces (VFIs).
- Some values listed in our specification matrix (including Throughput, Number of Sessions per second or Total Number of Sessions) should be considered "peak" values.
- VPN throughput capacity is calculated based on the processing power of the according LBX Series.

ALL DEVICES SUPPORT ETHERNET BONDING AND IPV6 INTERCONNECTIVITY
 ALL DEVICES ARE BUILT WITH THE FOLLOWING FEATURES: Watchdog Timer and Session Guard (DoS protection).
 ALL DEVICES SUPPORT THE FOLLOWING UPTIME-RELATED FEATURES: High availability deployments; Multimode.
 ALL DEVICES 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.



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HARDWARE SPECIFICATIONS	LBX410	LBX420	LBX430	LBX710	LBX720	LBX730	LBX1210	LBX1220	LBX1230	LBX2600	LBX5500
Number of 10/100/1000 Copper Interfaces	4	4	4	6	6	6	6	6	6	6	8
Number of 10Gbps Copper Interfaces											2
Number of 10Gbps Fiber Interfaces with SFP+ Adaptor Module (Option)											4
Rackmount	Tabletop	Tabletop	Tabletop	Tabletop/1U	Tabletop/1U	Tabletop/1U	1U	1U	1U	1U	1U
No moving parts design	Yes	Yes	Yes	Fan only	Fan only	Fan only	Fan only	Fan only	Fan only	Fan only	Fan only
LCD display							•	•	•	•	•
Power requirements	100~240V @ 50~60Hz 14.5W	100~240V @ 50~60Hz 14.5W	100~240V @ 50~60Hz 14.5W	100~240V @ 50~60Hz 15W	100~240V @ 50~60Hz 15W	100~240V @ 50~60Hz 15W	100~240V @ 50~60Hz 250W	100~240V @ 50~60Hz 250W	100~240V @ 50~60Hz 250W	100~240V @ 50~60Hz 220W	100~240V @ 50~60Hz 275W x2 hot swap
Operating temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C	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	CE / FCC / RoHS / UL	CE / FCC / RoHS / UL	CE / FCC / RoHS / UL	CE / FCC / UL	CE / FCC / UL	CE / FCC / UL	CE / FCC / RoHS / UL	CE / FCC / RoHS / UL
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	9 x 8 x 1.7	9 x 8 x 1.7	9 x 8 x 1.7	16.8 x 12 x 1.7	16.8 x 12 x 1.7	16.8 x 12 x 1.7	16.8 x 12 x 1.7	16.8 x 16.5 x 1.7
Size - W, L, H (mm)	160 x 104 x 35	160 x 104 x 35	160 x 104 x 35	228 x 203 x 44	228 x 203 x 44	228 x 203 x 44	430 x 305 x 44	430 x 305 x 44	430 x 305 x 44	430 x 305 x 44	430 x 420 x 44
Hardware warranty	12 months	12 months	12 months	12 months	12 months	12 months	12 months	12 months	12 months	12 months	12 months

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6. VPN throughput capacity is calculated based on the processing power of the according LBX Series.

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About Elfiq Networks

With today's growing Internet demands, Elfiq Networks enhances network performance and business continuity through innovative link balancing, cloud computing and bandwidth management technologies. Using Elfiq Networks Link Balancers, companies can leverage simultaneous ISPs, mix public and private links for added flexibility, seamless failover, increased throughput and smarter WAN path selection. Every day, local and global organizations of all sizes and verticals rely on Elfiq Networks' Link Balancers and advanced network solutions.

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