ELFIQ
By Adaptiv Networks

CORE SERIES LINK BALANCERS

Powerful and Flexible Enterprise SD-WAN for Cloud Networks and Data Centers

The CORE Series includes a rich enterprise SD-WAN feature set and can combine up to 128 circuits to deliver up to 20Gbps of throughput making them among the most powerful WAN edge devices on the market.

With its robust build and unparalleled performance, it's perfect for data centers, recovery sites, headquarters, or any environments requiring high throughput. Deployed and managed through the ELFIQ Central cloud-based orchestrator, the CORE Series can be integrated seamlessly in any client environment to deliver a powerful SD-WAN with zero-touch provisioning, monitoring and management to guarantee a fast return on investment.

The CORE Series addresses multiple issues facing enterprises around the world and offers multiple performance packages with advanced features to optimize user quality of experience, VPN acceleration and security.
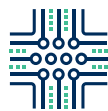
ELFIQ by Adaptiv Networks

Contact us today to find a certified ELFIQ solution provider

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Core Series Features

Ideal for High Bandwidth Environments

Equipped With Two to Four LAN Bypasses

Compatible with SFP, SFP+ and SFP28 Links

Redundant Power Options for Data Center Deployments

PERFORMANCE[1,2,3]

	CORE-3	CORE-6	CORE-10	CORE-20
Maximum Throughput (upload and download combined, Quantum packs included)	3Gbps	6Gbps	10Gbps	20Gbps
Number of Sessions	1,024,000	2,048,000	3,072,000	4,096,000
Number of 3G/4G/LTE USB Links	16	16	16	16
Number of ISP/Links	32	48	64	128
Outgoing Traffic Balancing	●	●	●	●
Incoming Traffic Balancing	●	●	●	●

LINK LOAD BALANCING FEATURES

	CORE-3	CORE-6	CORE-10	CORE-20
OSI Model Layer 2 Operation (Inline Unit)	●	●	●	●
Persistent Session Management	●	●	●	●
Number of Networks (Subnets) Per Link	32	32	64	64
Number of IDNS Records (Intelligent DNS)	8,190	16,380	32,760	32,760
Real Time Balancing Mode (NAT/TAG/PREF)	●	●	●	●
Lan Failsafe Support (Programmable/2 pairs)	●	●	●	●

TRAFFIC SHAPING & BANDWIDTH MANAGEMENT[6]

	CORE-3	CORE-6	CORE-10	CORE-20
Application Identification & Prioritization (Option)	●	●	●	●
Quality of Service (QoS) Rules	64	96	128	256

SITE-TO-SITE APPLICATION ACCELERATION

	CORE-3	CORE-6	CORE-10	CORE-20
Sitepathmtpx Supported[3]	●	●	●	●
Sitepath AES128 Encryption	●	●	●	●
Maximum Number of Sites	16	24	32	64
Maximum Number of Paths	128	196	256	512

GEOGRAPHIC BALANCING (POWERED BY GEOLINK)

	CORE-3	CORE-6	CORE-10	CORE-20
Global Geolink option	●	●	●	●
Maximum Number of Remote Sites	10	12	14	16

SD-WAN/HYBRID WAN (POWERED BY FMR)	CORE-3	CORE-6	CORE-10	CORE-20
Remote Sites Supported	Up to 64	Up to 64	Up to 512	Up to 512
FMR Links	8	8	8	8
Site-to-site encryption (STREAM VPN)[7]	●	●	●	●

ADDITIONAL BALANCING FEATURES	CORE-3	CORE-6	CORE-10	CORE-20
Internal Service Verification	●	●	●	●
Time of Day Conditions	●	●	●	●
Intelligent Condition Verificator	●	●	●	●

HARDWARE	Core Series	Core Series (Dual PSU)[5]
Number Of 10/100/1000 Copper Interfaces	6	8
Number Of SFP Sockets	2	8
Number Of SFP+ Sockets	2	4
Number Of SFP28 Sockets	-	4 (Optional)
LAN Bypass	2 pairs	4 pairs
Form Factor	1U	1U
No Moving Parts Design	Fan only	Fan only
Dual Power Supply	-	Hot-Swappable
Power Requirements	90-264V, @47-63Hz 220W	100~240AC, @50-60Hz 350W
Temperature	0~40°C Operation -20~70°C Non-Operating	0~40°C Operation -40~70°C Non-Operating
Certifications	RoHS, CE/FCC Class A, UL	RoHS, CE/FCC Class A, UL
Size - W, L, H (Inches)	17.24 x 12.64 x 1.73	17.24 x 18.43 x 1.73
Size - W, L, H (Mm)	438 x 321 x 44	438 x 468 x 44
Hardware Warranty	12 months	12 months
Underlying Hardware	NCA-4210XXX	NCA-5230XXX

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. App Optimizer Deep Packet Inspection available EOS version 4.4.2. First Packet Inspection will be available in Q4-2025.
7. Encryption with Stream VPN is optional, and will slightly lower the maximum supported throughput

• All Platforms Support Ethernet Bonding.
• Optional Stateful Firewall Available on All Models Including 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.