

# Exinda x700 WAN Optimization Solutions

## The Network Challenge

The wide area network (WAN) has inherent delay and bandwidth limitations. Applications deployed across the WAN are inefficient and slow due to these limitations. Furthermore, repetitive data sent across the WAN increases total utilization and introduces congestion. Many applications compete for limited WAN resources causing further congestion and degradation of critical applications. IT managers are demanding far more economic and effective ways to manage and optimize their existing infrastructure by understanding how it is used, defining what is important for the business and improving application performance.

## The Solution

Exinda Networks' x700 series provides a range of WAN optimization management appliances suitable for branch offices and data center sites. These appliances feature award-winning technology that enables you to easily report on application activity and guarantee performance of important applications. With Application Response Measurement technology, Exinda allows you to quantify application response times from a user's perspective at the remote site. This, in turn, assists in optimizing applications with greater accuracy and measures the benefits derived from effective optimization.

For more details, visit [www.exinda.com](http://www.exinda.com)

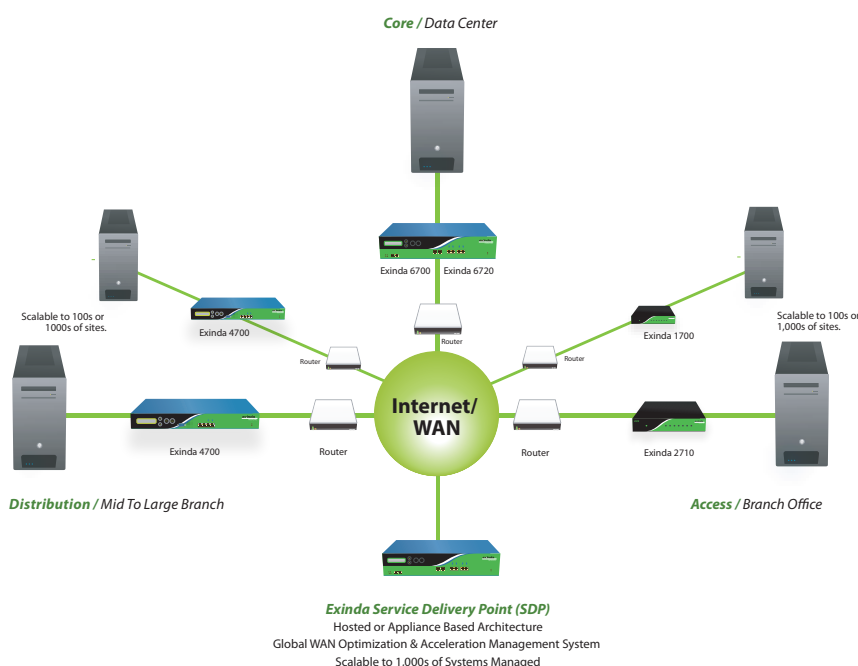


## Product Brief

The Exinda x700 appliances provide award-winning WAN optimization for monitoring and optimizing IP networks. It combines Layer 7 deep packet inspection (DPI), Quality of Service (QoS), compression, detailed monitoring and reporting in one solution.

## Benefits

- Predictable application performance
- Reduced infrastructure costs
- Visibility of infrastructure usage
- Reduced network trouble-shooting costs
- Capacity planning
- Reduced business continuity risk
- Voice & data convergence
- Management of Internet strategy



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## Specifications

Model	1710				2710				4700				6700			7700		
	Small Branch Office				Medium to Large Branch Office				Headquarters / Data Center									
Licensed Bandwidth	2	10	2*	10*	2*	15*	45*	100*	100	250	500	100	250	500	1G			
Device Throughput (Mbps)	100	100	100	100	100	100	100	100	1000	1000	1000	1000	1000	1000	1000			
Max. Concurrent Flows	16000	16000	32000	32000	64000	128000	256000	384000	512000	768000	1024000	512000	768000	1024000	1024000			
L7 New Conn Rate (max)	20	20	30	30	100	100	100	100	400	400	400	6000	6000	6000	6000			
Reports (PDF)	1	1	4	4	4	8	16	20	20	32	64	48	64	80	80			
SLAs	5	10	10	20	70	100	120	150	100	250	250	250	250	250	250			
ARM Objects	3	3	5	5	5	5	10	20	20	30	40	20	30	40	50			
Policies	64	64	128	128	128	256	384	512	1024	1536	2048	1024	1536	2048	2048			
Compression (Mbps)	2	10	2	10	2	15	45	100	100	250	250	100	250	250	250			
<b>Hardware</b>																		
Network Interfaces	Total 4 2x10/100 Base-T (bypass) 2x10/100 Base-TN				Total 4 2x10/100 Base-T (bypass) 2x10/100 Base-T				Total 4 2x10/100 Base-T (bypass) 2x10/100/1000 Base-T				Total 7 / 2xGbE Base-T LAN 2xGbE Base-T WAN - bypass 1x1x10/100 Base-T MNG 2xSFP GbE (optional Fiber)			Total 7 / 2xGbE Base-T LAN 2xGbE Base-T WAN - bypass 1x1x10/100 Base-T MNG 2xSFP GbE (optional Fiber)		
Ethernet Bypass Pairs	1				1				1				2			2		
Network Expansion (optional)	-				-				2x10/100 Base-T (high availability)				-			-		
Console Port	RS-232 male DB-9				RS-232 male DB-9				RS-232 male DB-9				1 x COM Port (RJ-45)			1 x COM Port (RJ-45)		
Dual Power Supplies	No				No				No				Yes			Yes		
RAID HDD	No				No				No				No			Yes		
Weight (kg)	3				3				6.5				18			18		
Dimensions (w x h x d)	168 x 26 x 115 mm 6.5" x 1" x 4.5"				168 x 26 x 115 mm 6.5" x 1" x 4.5"				424 x 43.5 x 380 mm 16.8" x 1.72" x 11"				424 x 88 x 530 mm 16.8" x 3.45" x 20.9"			424 x 88 x 530 mm 16.8" x 3.45" x 20.9"		
Power	1 power jack 12V, 5A 100/240 VAC 50~60 Hz				1 power jack 12V, 5A 100/240 VAC 50~60 Hz				DC maximum requirement 100W 100/240 VAC 50~60 Hz				DC max. requirement 230W AC/DC, 90~254 VAC full range @ 47~63 Hz			DC maximum requirement 230W AC/DC, 90~254 VAC full range @ 47~63 Hz		
Environment	0-40C, storage temperatures 20-80C relative humidity 0-90% (non-condensing)				0-40C, storage temperatures 20-80C relative humidity 0-90% (non-condensing)				0-40C, storage temperatures 20-80C relative humidity 0-90% (non-condensing)				0-40C, storage temperatures 20-80C relative humidity 0-90% (non-condensing)			0-40C, storage temperatures 20-80C relative humidity 0-90% (non-condensing)		
Approvals	CE, FCC Certified / RoHS				CE, FCC Certified / RoHS				CE, FCC Certified / RoHS				CE, FCC Certified / RoHS			CE, FCC Certified / RoHS		

## Technology

### Application Layer 7 Classification and Monitoring

Signature-based deep packet inspection (DPI) identifies and controls recreational Web applications including peer-to-peer programs such as BitTorrent, Kazaa, Facebook, and MySpace while providing detailed reports on how bandwidth is being used. Classification on the Exinda's 6720 high speed (ASIC-based) appliance allows wirespeed monitoring at speeds of up to 1Gbps. The appliances track usage and network utilization by application, hosts or conversations and provide extensive reporting via automated PDF and CSV exports and SQL connector.

### Application Specific Analysis Modules (ASAM)

Exinda supports detailed classification and analysis of specific applications such as HTTP, VoIP and Citrix. Appliances also monitor voice calls and conversations in real-time.

### Application Response Measurement (ARM)

Applications monitor application response times across network and server infrastructure as well as measure and manage user experience across applications.

### Adaptive Response (AR)

Appliances set alerts and notifications and run custom scripts based on triggers.

### Policy-based QoS

Appliances provide granular traffic control and application quality of service.

## Features

- Classification of applications at Layer 7
- Automated Layer 7 signature updates
- Real-time drill down
- Automated PDF reporting
- Policy-based QoS
- Service Level Management
  - Network Service (remote SLA)
  - Application Service
- Application Response Measurements (ARM)
- SIP-based VoIP reporting (ASAM)
- Adaptive Response (AR)
- Classify Citrix published applications (ASAM)
- URL analysis (ASAM)
- Cross flow data compression
- 95th percentile calculations



Exinda x700 WAN Optimization Platforms



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