



# Exinda x800 WAN Optimization & Application Acceleration Solution

## Specifications

Model	2800			4800				6800			7800	
	Small Branch Office			Medium to Large Branch Office				Data Center				
Licensed Acceleration Bandwidth (Mbps)	1	2	6	1	2	10	20	10	20	45	100	155
WAN Optimization & Monitoring Bandwidth (Mbps)	10	10	10	2	15	45	100	100	500	500	500	1000
Device Throughput (Mbps)	100	100	100	100	100	100	100	1Gbps	1Gbps	1Gbps	1Gbps	1Gbps
Max. Concurrent Flows	32000	32000	32000	32000	64000	128000	256000	256000	384000	384000	512000	512000
L7 Connection Rate (max/sec)	30	30	30	100	100	100	100	400	400	400	500	500
Automated PDF Reports	4	4	4	4	4	8	16	20	32	32	40	40
Configurable SLA Reports	10	10	20	20	70	100	120	100	250	250	400	400
ARM Objects Monitored	2	5	5	5	5	5	10	10	20	20	25	25
Policies	64	128	128	128	128	256	384	1024	1536	1536	2048	2048
<b>Application Acceleration</b>												
Accelerated TCP Connections	50	100	150	150	200	1200	2000	4000	5000	6000	10000	15000
CIFS Acceleration	■	■	■	■	■	■	■	■	■	■	■	■
Compression	■	■	■	■	■	■	■	■	■	■	■	■
WAFS Functionality	■	■	■	■	■	■	■	■	■	■	■	■
WAN Memory (Differencing)	■	■	■	■	■	■	■	■	■	■	■	■
<b>Hardware</b>												
Network Interfaces	4	4	4	4	4	4	4	7	7	7	7 (max 10)	7 (max 10)
Ethernet Bypass Pairs	1	1	1	1	1	1	1	2	2	2	2 (max 4)	2 (max 4)
Network Expansion (optional)	-	-	-	2	2	2	2	-	-	-	-	-
Console Port	RS-232 male DB-9			RS-232 male DB-9				1 x COM (RJ-45)			1 x COM (RJ-45)	
Dual Power Supplies								■	■	■	■	■
Weight (kg)	3			6.5				18			20	
Dimensions (w x h x d)	214 x 44 x 150 mm 8.43" x 1.73" x 5.91"			424 x 43.5 x 380 mm 16.7" x 1.72" x 11"				424 x 88 x 530 mm 16.7" x 3.46" x 20.9"			424 x 88 x 600 mm 16.7" x 3.5" x 23.6"	
<b>Power &amp; Environment</b>												
Power	100/240 VAC, 50-60Hz One power jack 12V, 5A			DC Maximum Requirement 100W 100/240 VAC, 50-60 Hz				DC Max. Req. 230W, AC/DC 90-245 VAC, full range@47-63 Hz			DC Max. Req. 322W, AC/DC 90-245 VAC, full range@47-63 Hz	
Approvals	CE, FCC Certified / RoHS			CE, FCC Certified / RoHS				CE, FCC Certified / RoHS				
Disk Storage	40 GB	40 GB	40 GB	250 GB	250 GB	250 GB	250 GB	500 GB	500 GB	500 GB	1.5 TB	1.5 TB

## Features

- TCP, CIFS & HTTP acceleration
- WAFS functionality
- WAN Memory (Differencing)
- Layer 7 classification with automated signature updates
- Policy-based QoS
- Real-time drill down
- Automated PDF reporting
- Service level management
  - Network service (remote SLA)
  - Application service (ARM)
- URL analysis (ASAM)
- SIP-based VoIP reporting
- Classify Citrix published applications (ASAM)
- Adaptive Response
- Auto Discovery
- 95th percentile calculations

## Technology

Exinda's x800 appliances utilize the following techniques:

### TCP Acceleration

Reduces the effects of latency by reducing unnecessary TCP round trips and automatically adapts TCP windows size to ensure WAN links are fully utilized.

### CIFS & HTTP Acceleration

Uses specific protocol dialects to fully optimize CIFS & HTTP traffic; prefetching, read ahead and write behind further accelerate CIFS traffic. Exinda is particularly effective at improving CIFS performance for links with more than 30ms latency.

### WAN Memory

Eliminates repetitive data leveraging both RAM caching for interactive applications and disk-based caching for large files and high speed links.

### Application Monitoring

Applies behavioral application classification (heuristics) for faster classification and advanced detection of encrypted applications (Skype, BitTorrent); long term monitoring and drill down analysis provided in CSV, SQL and PDF formats delivered via scheduled emails or integrated alerting system.

### Quality of Service (QoS) & Optimization

Applies relevant QoS policy in conjunction with acceleration techniques; ensures WAN is performing to full capacity and that applications that can't be accelerated (VoIP, Citrix) are fully optimized; also ensures acceleration will offer consistent benefits.



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