

AVANU®

AVANUAdvantage™

Network Infrastructure Product Solutions & Services

CAI Networks WebMux™ Load Balancers



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Why WebMux™

CAI Networks manufactures quality load balancers designed to keep the configuration and management simple, offering a robust set of features while keeping the cost of ownership low

Power of Simplicity

Network-focused functionality results in a proven, simple, interface for network load balancing

Dedication to Value

CAI Networks supports even their earliest WebMux models of high-quality hardware with feature upgrades that add value with each new firmware release

Adaptability

Network load balancing approach, focused on the protocols, eliminates the need for proprietary scripting languages at the application layer

Complete

No additional modules or licensing to consider

Made in USA

Designed in USA, using top-quality components from US companies, and assembled in the United States

WebMux™ Highlights

- 3 High Performing Model Options
- 1.7 Gbps up to 4 Gbps L4 Throughput
- 1,440,000 up to 5,760,000 L4 Concurrent Connections
- 65,000 up to 200,000 L4 Transactions/s
- 2 Gbps to 4 Gbps L4 Internet Link Speed
- 50,000 up to 144,000 L7 Connections
- 300 up to 4,000 1024-bit RSA Terminations/s (round trip)
- Integrated 20 Copper GigE Port Switch; Supports 4 Optical Fiber/Gb (690PG Model)
- IPv6 Compliant
- Extensive Integrated Software Features

WebMux™ Applications

- Unified Communications
- Enterprise Database Management
- Government Data Center Consolidation
- Video Streaming
- Web Service
- E-Commerce
- VoIP

US\$ Suggested Retail Price	WebMux 481SD \$3,999	WebMux 592SGQ \$5,999	WebMux 690PG \$34,995
Layer 4 Performance			
Concurrent connections (Max)	1,440,000 (a)	2,880,000 (a)	5,760,000 (a)
Transactions/sec (Max)	65,000	100,000	200,000
Throughput/sec (Max)	1.7 GBits	2.7 GBits	4 GBits
Internet Link Speed (Max)	2,000 MB/s	3,000 MB/s	4,000 MB/s
Layer 7 and SSL Acceleration			
1024bit RSA terminations/sec (Round trip; Max)	300	600	4,000
		1,600 (b)	
		2,600 (c)	
Layer 7 Connections/s (Max)	50,000	100,000	144,000
SSL Certificates Supported	32 (d)	32 (d)	32 (d)
HTTP Compression	•	•	•
TCP Optimization	•	•	•
Load Balancing Methods			
Cookie content based	•	•	•
URL based	•	•	•
Round-robin	•	•	•
Persistent round-robin	•	•	•
Weighted round-robin	•	•	•
Persistent weighted round-robin	•	•	•
Least connections	•	•	•
Persistent least connections	•	•	•
Weighted least connections	•	•	•
Persistent weighted least connection	•	•	•
Traffic Management Methods			
URL based content switch	•	•	•
Cookie based content switch	•	•	•
Fault Tolerance			
Diskless design	•	•	•
Port aggregation	•	•	•
Failover via network connection	Optional	Optional	Optional
Failover via Multiple ISP links	•	•	•
Failover via Ethernet link	•	•	•
Service-aware	•	•	•
Server-aware	•	•	•
Backup server	•	•	•
Security			
Network Address Translation (NAT/SNAT)•	•	•	•
TCP SYN protection	•	•	•
Address mapping	•	•	•
Port mapping	•	•	•
TCP DoS protection	•	•	•
Smart DDos protection	•	•	•
HTTPS/SSH management	•	•	•
IPv4 and IPv6 Support	•	•	•
Topologies			
10/100/1000 Ethernet	•	x3	20 Ports
Built-in Switch			•
Multiple Tag based VLANs	•	•	•
Device Support			
Interface to switches	Gigabit x2	Gigabit x3	Gigabit 20+4
Virtual Servers (Max)	Unlimited	Unlimited	Unlimited
Real Servers (Max)	65,532	65,532	65,532
Bridge/Router Role In Network	•	•	+ Switch
UDP-based service support	•	•	•
Management			
Secure web browser access	•	•	•
In service/Not in service	•	•	•
SNMP	•	•	•
Phone/Pager alarm notification	•	•	•
Email notification	•	•	•
Configuration access	•	•	•
Persistent connections	•	•	•
Port-specific services	•	•	•
Service Support			
Product Warranty (Parts & Labor)	1 Year	1 Year	1 Year
Firmware Updates	1 Year	1 Year	1 Year
Technical Support (Phone/Email)	1 Year	1 Year	1 Year
Pre-configuration prior to Ship		----- No Charge Upon Request -----	
24x7 Support	Optional	Optional	Optional
Overnight Exchange Unit	Optional	Optional	Optional
Physical			
Rack Mount Form Factor	----- 1U (19"x14"x1.75") -----		2U
Redundant Power Supply			•
Power Consumption (Max)	120w	200w	350w
115VAC Current	2.5A	3.5A	5A
Heat Production	350BTU/H	550BTU/H	800BTU/H
Power Requirements @50-60Hz		----- 95-130VAC or 195-235VAC ----	
Operating Temp Range	0-40°C	0-40°C	0-40°C
Ship Weight	20 lbs	20 lbs	40 lbs
Compliance & Certification			
	Part 15, FCC (US), Class B (Canada), CE Mark (Europe), FIPS 140-2 standard, NIST (latest industry-standard Open SSL modules), RoHS		
Other	30 Day Money Back Guarantee (Subject to restocking fee; contact AVANU for details)		