

# 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

	<b>WebMux 481SD</b> \$3,999	<b>WebMux 592SGQ</b> \$5,999	<b>WebMux 690PG</b> \$34,995
<b>US\$ Suggested Retail Price</b>			
<b>Layer 4 Performance</b>			
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
<b>Layer 7 and SSL Acceleration</b>			
1024bit RSA terminations/sec (Round trip; Max)	300	600 1,600 (b) 2,600 (c)	4,000
Layer 7 Connections/s (Max)	50,000	100,000	144,000
SSL Certificates Supported	32 (d)	32 (d)	32 (d)
HTTP Compression	•	•	•
TCP Optimization	•	•	•
<b>Load Balancing Methods</b>			
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	•	•	•
<b>Traffic Management Methods</b>			
URL based content switch	•	•	•
Cookie based content switch	•	•	•
<b>Fault Tolerance</b>			
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	•	•	•
<b>Security</b>			
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	•	•	•
<b>Topologies</b>			
10/100/1000 Ethernet	•	x3	20 Ports
Built-in Switch			•
Multiple Tag based VLANS	•	•	•
<b>Device Support</b>			
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	•	•	•
<b>Management</b>			
Secure web browser access	•	•	•
In service/Not in service	•	•	•
SNMP	•	•	•
Phone/Pager alarm notification	•	•	•
Email notification	•	•	•
Configuration access	•	•	•
Persistent connections	•	•	•
Port-specific services	•	•	•
<b>Service Support</b>			
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
<b>Physical</b>			
Rack Mount Form Factor	----- 1U (19"x14"x1.75") -----		
Redundant Power Supply			2U
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
<b>Compliance &amp; Certification</b>	Part 15, FCC (US), Class B (Canada), CE Mark (Europe), FIPS 140-2 standard, NIST (latest industry-standard Open SSL modules), RoHS		
<b>Other</b>	30 Day Money Back Guarantee (Subject to restocking fee; contact AVANU for details)		

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