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U.S. SBA 8(a)/SDB Development Program Certified,  
DoD CCR, FedConnect, and IAE's ORCA Certified

## WebMux™ Load Balancers

Performance • Affordability • Discover the Difference



*AVANU manufactures the highest quality load balancer appliances designed to maximize performance at the lowest cost of ownership (TCO). AVANU's WebMux load balancers offer easy configuration and advanced management with a robust set of traffic management features. WebMux functionality meets the most challenging networking requirements to always stay connected.*

The WebMux™ load balancer also known as an application delivery controller hardware appliance offers Layers 4-7 Traffic Management with sophisticated features and straightforward management interfaces. Combined with its superior feature set with high availability and reliability, the WebMux line offers the industry's highest performance at the lowest cost. These load balancers are designed with great emphasis on a highly reliable architecture, intensive algorithms, and best in class hardware platform. Customers get the highest performance to meet the needs of a wide range of mission critical applications.

AVANU's goal is to offer valuable tools for the vast range of applications requiring traffic load balancing. The range can be from single tiers of Apache™, Microsoft® IIS, Sendmail™, Office Exchange Server 2010, SharePoint®, or Oracle® Application Server to performing sophisticated balancing of multiple tiers of unified communication applications - such as Microsoft® Office® Communications Server or Lync™ Server and beyond. AVANU's load balancers will continue to provide smart traffic management solutions at affordable prices.

### Why WebMux™

#### Power of Simplicity

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

#### Affordability

Industry leading price for performance. WebMux offers the highest performance at the lowest cost

#### Dedication to Value

WebMux models are made with high-quality hardware dedicated for long life with feature upgrades that add greater 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

#### Made in the 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)
- IPv4 to IPv6
- Extensive Integrated Software Features

### WebMux™ Applications Examples

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

## WEBMUX MODELS AND SPECIFICATIONS

Models	481SD	592SGQ	690PG
<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	Yes	Yes	Yes
TCP Optimization	Yes	Yes	Yes
<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 on all models), 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>Topology – 10/100/1000 Ethernet</b>	Yes	x3 --- Multiple Tag based VLANs on all models ---	20 Ports (Built-in switch)
<b>Device Support</b>			
Interface to switches	Gigabit x2	Gigabit x3 in bond mode	Gigabit 20+4
	Up to 65,532 Real Servers, Unlimited Virtual Servers, Bridge/Router Role in Network (plus switch in 690PG), 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>	One-year product warranty (Parts & Labor), firmware updates, and technical support (telephone/email) Pre-configuration prior to shipment (no additional cost) Optional Annual Premium Support covers 24x7 technical support with overnight exchange unit option		
<b>Physical</b>			
Rack Mount Form Factor	----- 1U (19"x14"x1.75") -----		2U
Redundant Power Supply			Yes
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	45 lbs + 6 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)		

Notes: a) Performance based on NAT/In-Path mode (higher performance with Direct Response/Out-of-Path mode); b) with optional RSA3500 SSL Acceleration card; c) with optional RSA7000 SSL Acceleration Card; d) Contact AVANU for additional SSL Certificate support