



Information Contact:
Pamela Sun
Pamela.Sun@avanu.com
1.888.248.4900, 1.408.248.8960 International

FOR IMMEDIATE RELEASE

WebMux 592SGQ Model Is Added to CAI Networks Load Balancers Line Up

CAI Networks Escalates the Bandwidth Performance on WebMux Load Balancers

San Jose, CA – November 29, 2010 – AVANU® today announces the availability of the latest load balancer model, the WebMux 592SGQ from CAI Networks. WebMux 592SGQ replaces the mid-range 591SGQ model with up to 2.7 Gigabits per second traffic bandwidth performance and up to 2,600 SSL terminations per second (1024 bit RSA Terminations/Round Trip)--with the optional SSL accelerator module. At the same time, WebMux 481SD, the lower end model now sustains up to 1.7 Gigabits per second throughput with built-in SSL termination. The recent announcement of the 690PG model, handling up to 4 Gigabits per second throughput, fills out the full range of high-performing load balancers, all supporting extensive options in Layers 2 -7 load-balancing, enhanced HA for office servers, support for PCI industry standards, IPv6, a variety of VLAN, link aggregation, and spanning tree options, IGMP and MLD support, as well as multi-language support for global customers.

"The total cost of ownership (TCO) of the WebMux load balancer, when you compare the performance, feature set, stability, and focus on value is unbeatable. CAI Networks continues to enhance their WebMux Load Balancer family to meet the ever-changing demands of today's traffic management environment. We could not be happier with a manufacturer such as CAI Networks which can respond quickly to our customers evolving requirements", says Fritz Ames, Senior Vice-President of AVANU®.

WebMux Load Balancers are designed to be highly reliable, both in hardware and firmware, as well as high-performance to meet the needs of a wide-range of customer applications. Simply managing HTTP web site traffic or performing sophisticated balancing of multiple tiers of unified communication applications--such as Microsoft® Office Communications Server 2007 R2 or Lync™ Server—WebMux provides for smart solutions. WebMux provides the network optimization options that you need--at the price-points that match your bandwidth-- to support your office servers, your Oracle® Application Servers and other Apache™ web servers, your IIS Web servers, your Exchange servers, all at prices that are easy on your budget.

WebMux Load Balancers Availability

CAI Networks' WebMux Load Balancers Manufacturer's Suggested Retail Price starts at US\$3,999.00 and comes with a one (1) year product warranty, firmware updates, and technical support. For additional information on WebMux Load Balancers or becoming a reseller, contact sales@avanu.com or call 1.888.248.4900 (US & Canada Toll Free); 1.408.248.8960 International.

About AVANU, LLC

Established in 1997, AVANU® based in the Silicon Valley of California is a worldwide value-added supplier with a focus on IT network infrastructure computer equipment, software, design and implementation services. AVANU's customers are system integrators, value-added resellers, web-hosting companies, ISPs, co-location entities, Fortune 500 companies, educational institutions, and local and federal government agencies. AVANU's long-term customers appreciate our honesty, responsiveness, high integrity, and customer-centric focus. AVANU® is a certified participant in the U.S SBA's 8(a)/SDB development program, DoD CCR, and IAE's ORCA certified.

<http://www.avanu.com/about.htm>

About CAI Networks, Inc.

Founded in 1987, CAI Networks (www.cainetworks.com) specializes in Internet/Intranet appliances and server reliability solutions and is a leading provider of load balancers. CAI has its engineering and sales offices in Southern California. WebMuxes are installed worldwide by businesses, government agencies, and ISPs to maintain the reliability and availability of websites, portals, and web-based applications. CAI Networks is a member of the Microsoft and Oracle partner networks.

###



1.888.248.4900

US & Canada Toll Free Number

1.408.248.8960 Phone • sales@avanu.com

www.avanu.com

CAI Networks

WebMux™ Load Balancers (Models 481SD, 592SGQ, and 690PG)

Layers 4 - 7 Traffic Management & Load Balancing with Built-In SSL Acceleration for Local Networks



CAI Networks' WebMux Load Balancer product line is known for its sophisticated features, straightforward management interfaces that are simple to use, and affordability. The WebMux, from the full-featured, yet affordable, 481SD to the impressive throughput of the 690PG, fits a wide range of load balancing needs. Easily integrate a WebMux into your architecture whether it is for simply managing web site traffic, handling intense video/voice streaming, managing e-commerce sites, or sophisticated balancing of multiple tiers of Unified Communications networks.

WebMux Load Balancers are highly reliable, both in hardware as well as the carefully optimized algorithms implemented in firmware. They are also high-performance to meet the needs of a wide-range of customer applications. Setting up the WebMux is simple as you want or it can be tightly-tied to back-end server script-processing. From the menu-driven LCD front panel, remote Web browser management supporting HTTP and HTTPS, to the Telnet and SSH configuration and diagnostic capabilities, the WebMux has simplicity in mind. Simple configurations allow you to get up and running quickly, while also having the power to engineer more complex solutions to empower your architecture with highly sophisticated load balancing and failover capabilities. WebMux provides for smart solutions for applications such as Microsoft® IIS, Office Exchange Server 2010, Office Communications Server 2007 R2, Lync™ Server, SharePoint®, Oracle® Application Server, Apache™, FTS servers, Sendmail™, and the Payment Card Industry (PCI). WebMux is IPv6-ready to meet the current transition from IPv4.

CAI Networks continues to improve on the WebMux strengths of capabilities, scalability, security, and flexibility. The engineer and system architect can appreciate the power and the simplicity while the manager appreciates the value of choosing the WebMux line. WebMux delivers from 1.7 to 4.0 Gigabits per second throughput in Layer 4, supporting over 65,000 servers, unlimited virtual servers, and built-in SSL acceleration—with optional hardware acceleration also available. WebMux provides the network optimization options that you need -- at the price-points that match your bandwidth -- to support your servers and operations at prices that are easy on your budget.

High Performance

- Up to 4 GB per sec throughput
- Up to 200,000 transactions per second
- NAT (in-path), Direct Response (Out-of-Path) Transparent Bridge mode configuration
- Up to 5,760,000 concurrent connections (NAT Mode; higher performance in Out-of-Path mode)
- Ultra-fast hardware platform
- Solid-state flash memory
- Built-in proxy function

SSL Acceleration

- Native SSL support starts at 300 terminations per second to 4,000 Round Trip SSL Terminations per second (at 1024 bit-configurable)
- CAI-RSA SSL Acceleration Cards available for expandability providing flexible options and growth plans (Optional add-on for 5x models)
- Supports up to 32 Active SSL certificates (Contact AVANU for larger quantity)
- Secure credit card processing, or establish IPSec VPN tunnels (Reference CAI-RSA SSL Acceleration Card data sheet.)

High Availability

- Dual configuration offering automatic failover
- Multiple ISP for multi-homing HA capabilities
- Enhanced HA for office servers
- Supports a variety of Spanning Tree Protocol options, supporting redundant paths (Layer 2-3)
- Multiple Address/Port (MAP) (Intelligent failover of rich media applications and increased flexibility)
- Site-to-site load balancing with optional DNSMux Global Load Balancer

Flexibility and Expandability

- IPv4 and Ipv6 support, including IGMP and MLD support
- IP, URL and cookie based load balancing (Layer 4-7)
- Extensive options in Layers 2 through Layer 7 load-balancing
- Multi-Gigabit Ethernet links
- IEEE 802.1AX (802.3ad) link aggregation
- Multiple VLAN for support of multiple subnets
- 802.1Q tagged VLAN trunking support for multiple VLANs

- Supports unlimited number virtual servers
- IP server capacity increased by load sharing
- Failed server in the farm automatically bypassed
- Last Resort server option provides intelligent option if all servers have failed
- Built-in high-level protocol checker makes sure the Servers are healthy
- Persistent connections via unique routing algorithms
- Burst Activity Management (BAM™) minimizes traffic overloads of UDP/DNS client requests
- Multi-language support for global customers
- Only one real IP address required
- No limit on how many IP address can be used
- Scales to provide an easy and flexible upgrade path

Enhanced Security

- Security principles of confidentiality, integrity, and availability are supported by through secure management options, simplicity in administration, firewall capabilities, and protocol enforcement.
- 802.1Q tagged VLANs for security and flexibility in server connections as well as supporting redundant upstream ISP connections
- Support for PCI industry standards
- Passes all IP traffic and blocks the most common attacks pre-firewalls or servers
- Provides several firewall features to ensure the integrity of your data
- Protects your server from attackers
- Network Address Translation (NAT and SNAT)
- Port Mapping and default Deny any connections
- Denial of Service (DoS) protection
- TCP SYN protection

Easy Setup and Administration

- Management of the IP server pool is via a browser-based interface
- Can be configured in under 15 minutes with no training
- Remote configuration from anywhere that has secure IP connectivity
- Includes a front keypad interface and menu-driven LCD display

	WebMux 481SD \$3,999	WebMux 592SGQ \$5,999	WebMux 690PG \$34,995
US\$ Suggested Retail Price			
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 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	•	•	•
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 x2	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)		

AVANU®
5205 Prospect Rd #135-143
San Jose CA 95129-5034
USA
1.408.248.8960 • 1.408.248.8961 FAX
Rev 1210b

PRODUCTS & PRODUCT SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
Copyright © 2010 AVANU, LLC. All rights reserved.
AVANU is a registered trademark of AVANU, LLC
All other trademarks and registered trademarks are the property of their respective owner(s).

Footnotes:
(a) Performance based on NAT (in-path) mode
(Higher performance in Direct Response/
Out-of Path mode)
(b) CAI-RSA3500 SSL Acceleration Card Req'd
(c) CAI-RSA7000 SSL Acceleration Card Req'd
(d) Contact AVANU for larger quantity