AVANU®
Inspired to Innovate™

WebMux™
Traffic Management Appliances

Models A400X, A500X, A600X
**Performance • Affordability**
Discover the Difference

WebMux™ is a high-performing traffic management appliance (also known as a load balancer and application delivery controller [ADC]) for managing and directing network traffic. Great emphasis is placed on the development for high reliability with intensive algorithms for feature-rich performance, and the best in class server-grade hardware architecture platform.

WebMux models are built with server-grade hardware using the 64-bit processing platform to boost overall performance and to optimize energy-efficiency. The WebMux hardware architecture offers up to 16-core CPU processing power and incorporates smart temperature sensitive fans with single or dual hot-swappable power supplies and up to 10 Gigabit Ethernet (GbE) interface options.

Systems administrators can easily monitor LAN activity, fan-failure, overheat and HD activity with front panel indicators as well as have extended flexibility with the IPMI (Intelligent Platform Management Interface) and management ports.

High performance and easy management controls along with WebMux wealth of features such as the unique Flood Control® for higher-level security against cybercrimes all at affordable prices makes WebMux the perfect solution for managing, controlling, and securing network traffic.

All WebMux models come with a full-year product warranty, firmware updates and technical support.
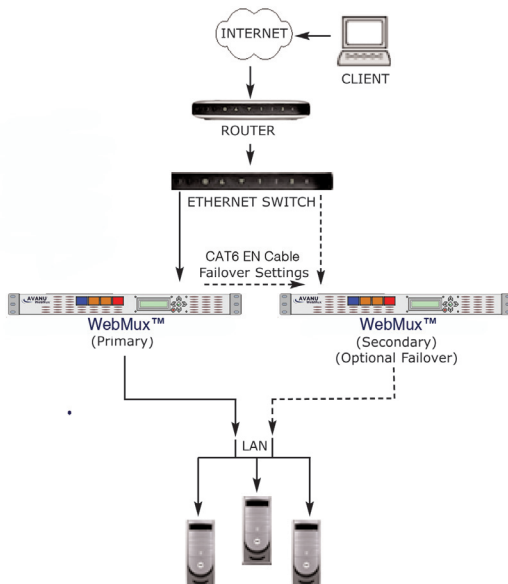
Ease of Use
Network-focused functionality on the hardware and software graphic user interface (GUI) present a proven and simple overall interface for managing traffic in your network infrastructure.

Dedication to Value
Network traffic management that focuses on the protocols eliminates the need for proprietary scripting languages at the application layer, and no software or agent is required on servers.

Power of Performance
The power and performance of 64-bit processing and server grade hardware architecture to meet the demands of a wide range of mission critical applications with high availability and reliability with easy configuration and management features.

Feature Highlights
Load balancing methods: one-armed single network, one-armed out-of-path, two-armed NAT, two-armed transparent

Ten (10) load balancing scheduling methods

Firewall protection

IPv4 to IPv6 support

Exclusive Flood Control® feature

Custom health checks

10 Gigabit Ethernet interface options (Fiber/Copper)

Up to 20 Gbps throughput

Up to 16-core CPU processing power

Up to 16 GB server-grade error correcting code (ECC) memory

Solid-state drive/SSD media reliability (Models A500, A600X)

SSL ASIC (A500X and A600X models)

Single and dual-power supply models

Smart temperature controlled fans

1U Chassis form factor

WebMux Feature Highlights

Load Balancing Scheduling Methods

Least connections
Least connections-persistent
Round robin
Round robin-persistent
Weighted fastest response
Weighted fastest response-persistent
Weighted least connection
Weighted least connections-persistent
Weighted round robin
Weighted round robin-persistent

Security

Address Mapping
Denial of Service (DoS) and Distributed Denial of Service (DDos) protection
Flood Control® (Additional IP level protection for DDoS attacks)
HTTPS/SSH management
Intrusion Prevention System - IPS
IPv4 to IPv6 support (Two-armed NAT, Two-armed
NAT Transparent One-armed Single Network, and One-armed Out-of-Path modes)
Network Address Translation (NAT/SNAT)
Port mapping
TCP SYN protection
Generate and support private SSL Keys up to 8184-bit

Management

Configuration access
Email notification
In service/Not in service
Port Bonding (802.3ad, LACP-Link Aggregation Control Protocol)
Port-specific services
Secure web browser access (GUI)
SNMP

Fault Tolerance

Application health check
Backup server
Diskless design
Failover via Ethernet link
Failover via multiple ISP links
Failover via network connection (Active/Standby)
Port aggregation
Server-aware
Service-aware

Other Standard Features

Content switching
HTTP Compression - Content encoding
IP support - Including basic Layer 2 protocols (STP, MSTP, RSTP), DNS, FTP, HTTP, IMAP, LDAP, NNTP, POP3, Radius, RDP (Terminal Services), SMTP, SNMP, SSH, Streaming media, TCP/UDP based services, TFTP
Link interface bonding
Multiple ISP support
Reverse Proxy
Software compression
SSL offloading/acceleration
TCP optimization
VLAN - Multiple, VLAN Trunking (IEEE 802.1Q)

WebMux Hardware Architecture Highlights

Front Panel
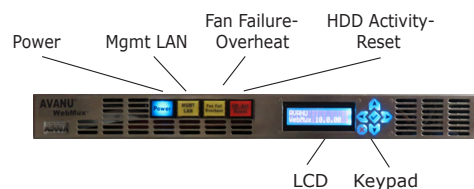
Management LAN Indicator
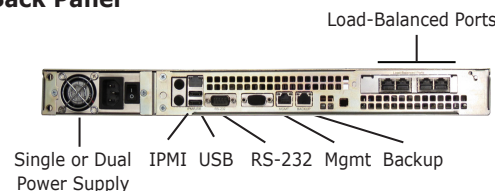Management LAN interface link activity and system power

Fan Failure / Overheat Indicator
Monitors fan operation status should any failure occur and CPU temperature should it rise above its limit

HDD Activity/Reset
Hard reset to restart the WebMux and acts as an indicator of disk activity

Back Panel

IPMI Port (A500X and A600X)
In-band and out-of-band management network access
Remote control of power-on and power-off
Monitor temperature and fans
Access to remote console for troubleshooting
FRU (field replaceable unit) inventory data

USB Port
Network alternative option for firmware updates and to collect log data

Management Port
Gigabit Ethernet LAN to allow management (GUI and command-line) to be limited to a separate port for segregating management from load balanced traffic

Backup Port
Used for two WebMux units in High Availability (HA) configurations. Cat 5 or 6 Ethernet cable is auto-sensed to straight or crossover. Link status LEDs will be lit when connected.

Load-balanced Ports
Configurable Internet-to-Server load-balancing (Transparent, Single Network, Out-of-Path or NAT mode)