



WebMux[™] Traffic Management Appliances



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

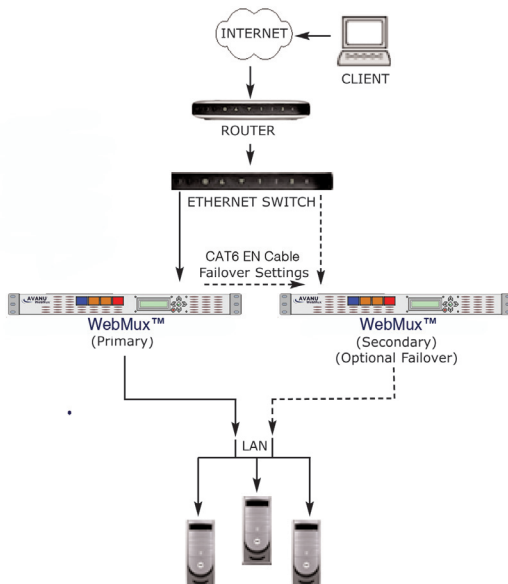
WebMux[™] is a high-performing traffic management appliance (also known as a load balancer and application delivery controller [ADC]) for managing and directing network traffic. Great emphasis is placed on the development for high reliability with intensive algorithms for feature-rich performance, and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



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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

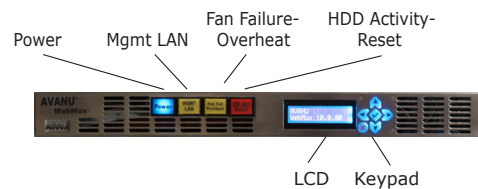
- Application health check
- Backup server
- Diskless design
- Failover via Ethernet link
- Failover via multiple ISP links
- Failover via network connection (Active/Standby)
- Port aggregation
- Server-aware
- Service-aware

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

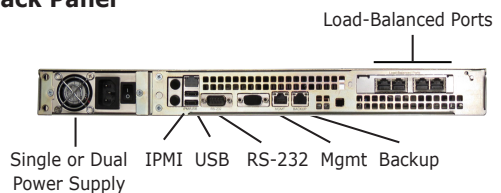
Fan Failure / Overheat Indicator

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)