



Keeping Everyone Connected

AVANU®

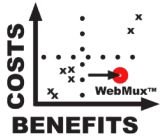
WebMux A600X Network Traffic Manager

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www.avanu.com

WebMux A600X Network Traffic Manager Layers 4-7 Local Load Balancing Enterprise Solution



Performance • Affordability
Discover the Difference



**Next Generation 64-bit Platform
Dual Hot-swap Power Supplies
10GbE with 16-core CPU Performance**

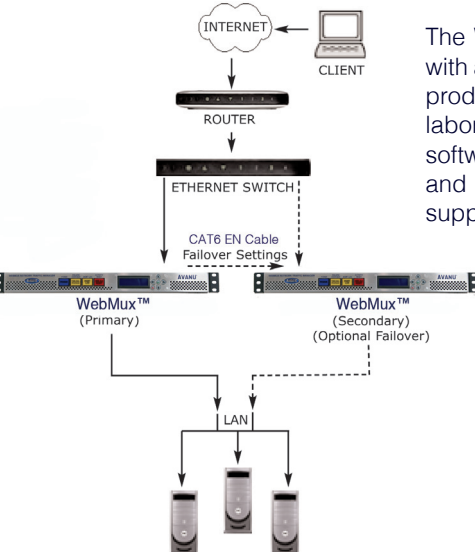
The WebMux A600X is an affordable and powerful network traffic manager for managing, directing, controlling, and securing Layers 4-7 local network traffic.

WebMux provides high-reliability and high-availability of network traffic to its intended destinations by means of placing development emphasis on intensive algorithms that are built on the powerful 64-bit processor platform providing feature-rich performance using the best in class server-grade hardware that offers 16-core CPU processing power and 10 gigabit Ethernet (10GbE) interface.

WebMux is easily configured and added to a local network as a plug-and-run appliance. With an easy graphical user interface (GUI) design setup, trouble-free high performance, low maintenance, and ongoing new feature additions and enhancements, WebMux meets the most demanding traffic load balancer needs for an extensive TCP/IP and UDP/IP based range of applications and services.

Why spend more for high performance and reliability? WebMux is the best affordable 64-bit strength load balancing solution for managing, directing, controlling, and securing Layers 4-7 local network traffic.

Other common names for network traffic management products include load balancers (LB), hardware load balancers (HLB), network load balancers (NLB), local traffic managers (LTM), and application delivery controllers (ADC).



The WebMux A600X comes with a full two (2) year limited product warranty (parts and labor) and one (1) year software firmware updates and product technical support.

Diagram is for illustrative purpose only

Highlights

- Easy GUI setup, trouble-free high performance, and low maintenance
- Supports extensive range of TCP/IP and UDP/IP based applications and services
- Powerful 64-bit processing
- High throughput performance (Up to 20 GB)
- 10 gigabit Ethernet /10GbE
- 16-core CPU processing power
- Feature-rich integrated software
- Four load balancing operation modes (One-armed single network, one-armed out-of-path, two-armed NAT, two-armed transparent modes)
- Full-range load balancing scheduling methods
- Robust security (DDoS protection, Flood Control® feature for cybercrime protection, IPv4 to IPv6, TCP SYN protection, up to 8192-bit TLS/SSL encryption strength, TACACS+ and LDAP authentication, and Payment Card Industry/PCI compliant)
- IPv6 to IPv4 Translations (Supports IPv6 client requests to IPv4 servers)
- Custom health check (Application services, servers, and server farms)
- Built-in SSL termination
- Supports up to 5,000 servers
- Dedicated ports for out-of-band and in-band management access
- Server-grade error correcting code (ECC) memory
- Solid-state drive/SSD media reliability
- Hot-swap dual power supply (80 Plus Gold Efficiency)
- Smart temperature controlled fans
- Self-contained (No extra hidden costs)
- No additional annual maintenance contract required (Includes full 2-year limited product warranty and 1-year software firmware updates and product technical support)
- 30-day money back guarantee

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

Authentication Method: TACACS+ and LDAP
Denial of Service (DoS) and Distributed Denial of Service (DDoS) protection

Flood Control® (Additional IP level protection for DDoS attacks)
HTTPS/SSH management

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)
Multiple address and port mapping
Payment Card Industry (PCI) Compliance
TCP SYN protection
TLS/SSL Encryption Strength (512/1024/2048/4096/8192-bit)

Management

Dedicated ports for out-of-band and in-band management 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

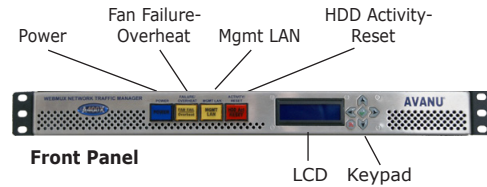
Application health check
Backup server
Diskless design
Failover via Ethernet link
Failover via multiple ISP links
Failover via network connection (Active/Standby)
Port aggregation
Server-aware
Service-aware

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/IP & UDP/IP based applications & services, TFTP
IPv6 to IPv4 translation (Supports IPv6 client requests to IPv4 servers)
Link interface bonding
Multiple ISP support
Reverse Proxy
Software compression
TCP optimization
VLAN - Multiple, VLAN Trunking (IEEE 802.1Q)

WebMux A600X

20.0 GB 10GbE Throughput/sec (Max)
15.8 Mil Layer 4 Concurrent Connections
16 Core CPU Processor
16 GB (ECC) Memory
Dual Hot-swap Power Supply (80 Plus Gold)
50-60Hz; 95-130VAC or 195-235VAC
1U Chassis



Management LAN Indicator

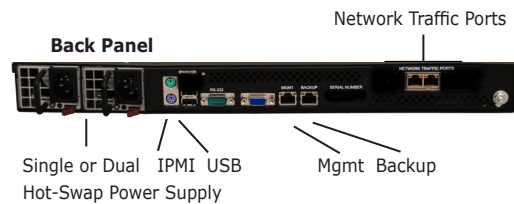
Management LAN interface link activity and system power

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



IPMI Port

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.

Network Traffic Ports

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