AVANU®

Edge Computing

**It Is All About the User Experience
on Your Network and
Keeping Everyone Connected**SM

WebMux™ Network Traffic Manager

Application Delivery Network and Global Server Load Balancing with FireEdge™ for Apps

Manage, Control, and Secure Local Network Traffic for High Availability of Applications with Geographic Disaster Recovery, Affinity Services, and Web Applciation Firwall (WAF)

A new era of explosive network traffic is emerging from the wireless cellular world. The evolution of Internet of Things (IoT) and the growth of mobile device users are creating the current increased network traffic surge.

AVANU's WebMux Network Traffic Manager provides reliable high performance, high availability, and secured processing of the network traffic.

Increased network traffic along with the transition of 4G to 5G wireless technologies that promise hefty speeds with faster processing in the Radio Access Network (RAN) are bringing about transformation to the network.

Edge computing is a new layer in the network architecture designed to reduce processing time. This benefits IoT and mobile device users to better take advantage of the 5G technology based on users' localities.

Whether at the infrastructure's core network or Edge computing sites, WebMux manages, controls, and secures the local network traffic assuring peak performance.

The WebMux Network Traffic Manager is an integrated, cost-effective enterprise solution providing Application Delivery Network (ADN) load balancing, global server load balancing (GSLB) for geographic disaster recovery and affinity services, and with FireEdge™ for Apps Web Application Firewall (WAF).

WebMux's user-friendly menu interface makes WebMux fast to deploy and simple to manage. WebMux meets the most stringent network traffic demands, whether on-premise, hosted/co-lo data center or in a private/public cloud network infrastructure.

The WebMux Network Traffic Manager provides worry-free load balancing for network administrators resulting in reliable high performance for everyone.
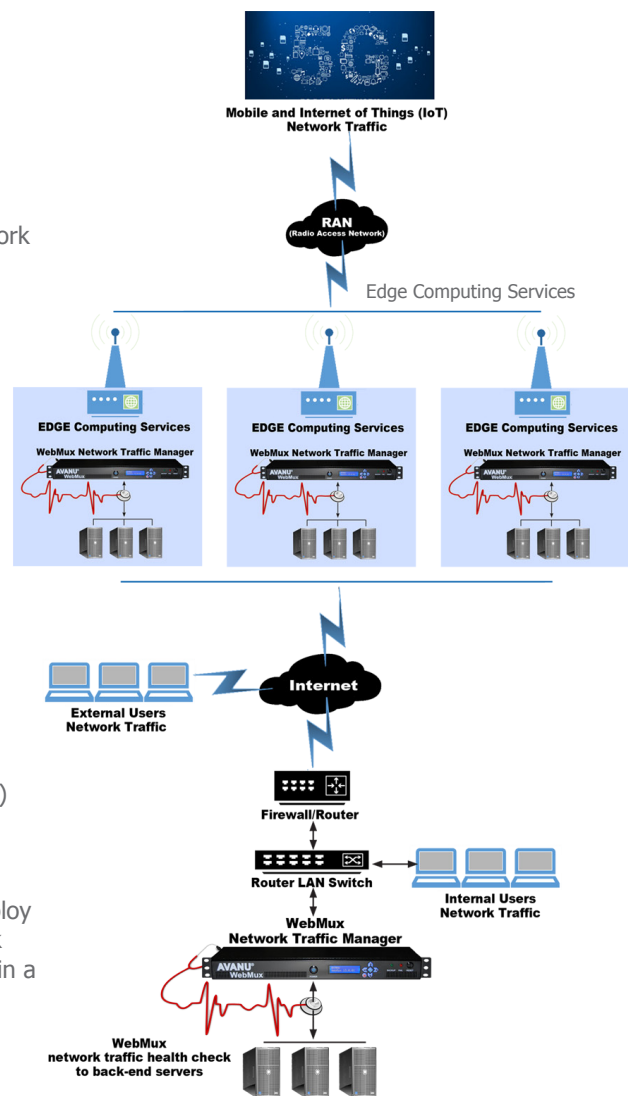
WebMux images represent network hardware appliances or Virtual software appliances for Cloud environments

Contact Information

1.888.248.4900 U.S. Toll Free
1.408.248.8960 International
info@avanu.com • avanu.com

Virtual WebMux
AVE-500 Edition
BUY ONE GET ONE FREE
Limited Time Promotion

WebMux - Software Appliances (Virtual Computing)	AVE-100	AVE-300	AVE-500	AVE-1000
Network Layers	4-7	4-7	4-7	4-7
O/S Processor Architecture (bit)	64	64	64	64
Load Balancing Network Traffic Throughput (Internet Link-max Gbits/s less any overhead)	1.0	3.0	5.0	10.0
Servers/Farm Support (Max-Real/Virtual)	4,999	4,999	4,999	4,999
FIPS 140-2 Level 1 Compliant	Yes	Yes	Yes	Yes
TAA Compliant (Developed in USA)	Yes	Yes	Yes	Yes
Technical Support	1 Year	1 Year	1 Year	1 Year

WebMux - Network Hardware Appliances	A800	A810	A820	A840
Network Layers	4-7	4-7	4-7	4-7
O/S Processor Architecture (bit)	64	64	64	64
CPU Processor (Intel Xeon Cores)	Quad	6	8	8
Load Balancing Network Traffic Throughput (Internet Link-max Gbits/s less any overhead)	4.0	4.0	20.0	40.0
Network Type	Copper	Copper	Copper	Copper
Network Port Connector Type	RJ45	RJ45	RJ45/SPF+	RJ45/SPF+
Load Balancing Network Traffic Ports	4x 1GbE	4x 1GbE	2x 10GbE	4x 10GbE
IPMI Port	Yes	Yes	Yes	Yes
Management Port	Yes	Yes	Yes	Yes
ECC Memory (GB)	8	16	32	64
Solid State Drive (SSD)	Yes	Yes	Yes	Yes
Smart Temperature Control Fans	Yes	Yes	Yes	Yes
Power Supply (Hot-Swap, 400w)	Single/Dual	Single/Dual	Dual	Dual
Servers/Farm Support (Max-Real/Virtual)	4,999	4,999	4,999	4,999
Front LCD Panel (Quick Configuration)	Yes	Yes	Yes	Yes
Digital Intrusion Monitoring/Physical Detection	Yes	Yes	Yes	Yes
Chassis	1U	1U	1U	1U
FIPS 140-2 Level 1, 2 Compliant	Yes	Yes	Yes	Yes
TAA Compliant (Developed & Manufactured in USA)	Yes	Yes	Yes	Yes
No-charge Factory Pre-configuration	Yes	Yes	Yes	Yes
Technical Support	1 Year	1 Year	1 Year	1 Year
Hardware Warranty	2 Years	2 Years	2 Years	2 Years

WebMux Feature Highlights (Software and Network Hardware Appliance Models)

General Operations	Internet Protocol (IP) Support
Application and Services Setup/Configuration Wizards	ASP
Intuitive Web-based Graphical User Interface (GUI)	Basic Layer 2 Protocols (ie. STP, MSTP, RSTP....)
Compression-Software	DNS
HTTP Caching	FTP
REST API	HTTP
Health Checks (Applications and Services)	HTTPS (SSL/TLS; SNI-Server Name Indication)
Network	IMAP
One-armed Single Network	IPv4/IPv6
One-armed Direct Server Return (DSR)	LDAP
Two-armed Network Address Translation (NAT)	NNTP
Two-armed Transparent	NTP
Active/Active WAN	POP3
Active/Passive High Availability	RDP (Terminal Services)
Adaptive Load Balancing	SMTP
Bonding/Teaming Ports (802.3ad/LACP)	SNMP
Content Encoding (HTTP Compression)	SSH
Reverse Proxy	Streaming Media
Multiple Address and Port (MAP™)	TCP/UDP Applications and Services
Multiple Gateway Network Failover	TFTP
Multiple VLAN Trunking (IEEE 802.1Q)	**Security and SSL**
Load Balancing - Scheduling Algorithms	Access Control List System
HTTP to HTTPS Redirect	Authentication - LDAP, TACACS+
Least Connection, Least Connection-Persistent	Automatic Attack Detection (AAD)
Round Robin, Round Robin Persistent	Digital Monitoring/Built-in Physical Intrusion Protection (HW appliance)
Weighted Fastest Response, Weighted Fastest Response—Persistent	DoS/DDos Protection (Flood Control™ UDP/TCP level)
Weighted Least Connection, Weighted Least Connections—Persistent	FIPS 140-2 compliant
Weighted Round Robin, Weighted Round Robin—Persistent	IP Address Filtering
Dynamic Ratio	SSL/TLS Acceleration
Fixed Priority Pre-emptive Scheduling	SSL/TLS Certificates (Third Party Support)
IP Persistence	SSL/TLS Certificate Signing Request (CSR)
Layer 7 Persistence	SSL/TLS Termination/Offloading
Global Server Load Balancing (GSLB)	SSL/TLS Encryption Strength (bits) 1024, 2048, 4096, 8192
Geographic Affinity	TCP Protocols Support
Site to Site Failover	Web Application Firewall (FireEdge™ for Apps WAF)