

Tumbleweed Appliances

Tumbleweed delivers its award-winning secure communications products on both software and appliance platforms. MailGate – email security, SecureTransport – managed file transfer, and Validation Authority – identity validation products can all be deployed on dependable and secure appliances that are easy to install, reliable and optimized for performance.

FEATURES

- High-performance appliances optimized for Tumbleweed products
- Multiple hardware options with robust, reliable design
- Hardened operating systems
- Built-in redundancy for high availability
- Rapid installation with onboard LCD controls for network configuration
- International safety and electrical certifications

TUMBLEWEED PRODUCTS INCLUDE:

- MailGate Appliance
- MailGate Email Firewall
- MailGate Secure Messenger
- SecureTransport Server
- SecureTransport Edge
- Validation Authority Repeater

EASY INSTALLATION AND CONFIGURATION

Tumbleweed appliances offer the industry's easiest installation and deployment. Integrated LCD controls allow you to configure network settings, specify IP addresses, and manage the appliance – all without plugging in additional cables or external monitors.



RELIABLE ENTERPRISE DESIGN




Tumbleweed appliances are designed for the most demanding enterprise environments. They feature high-performance processors, redundant hot-swappable disk drives and power supplies, and centralized management of multiple appliances. Tumbleweed offers you the best of both worlds – easy to deploy turnkey appliances for small business, and highly scalable, centrally managed systems for large, distributed enterprises.

OPTIMIZED FOR PERFORMANCE

Tumbleweed appliances utilize 64-bit AMD processors providing exceptional performance for advanced operating systems and applications. Tumbleweed's products leverage the speed of 64-bit processing with high-performance memory controllers and HyperTransport technology, allowing rapid communication between sub-components and high throughput.



Tumbleweed Appliance Specifications

	 3500 Series	 4500 Series	 5500 Series
Form Factor	1U Appliance Integrated hardware & software	1U Appliance Integrated hardware & software	2U Appliance Integrated hardware & software
Hardware	64-bit 2.0 GHz processor 1 GB RAM 120 GB SATA 7200 RPM disk drive	64-bit 2.0 GHz processor 2 GB RAM 2x 160 GB SATA 7200 RPM disk drives (RAID 1 controller, hot-swappable with failure alarm)	Dual 64-bit 2.0 GHz processors 4 GB RAM 4x 160 GB SATA 7200 RPM disk drives (RAID 10 controller, hot-swappable with failure alarm) Dual redundant power supplies (hot-swappable with failure alarm)
Controls	Integrated LCD control panel for rapid configuration and deployment.		
Ports	Two 1 Gigabit Ethernet ports (GbE) 5 USB ports (1 front, 4 rear) Video, keyboard, mouse, Serial (DTE) connectors	Two 1 Gigabit Ethernet ports (GbE) 5 USB ports (1 front, 4 rear) Video, keyboard, mouse, Serial (DTE) connectors	Two 1 Gigabit Ethernet ports (GbE) 4 USB ports (2 front, 2 rear) Video, keyboard, mouse, Serial (DTE) connectors
Size, weight	1.75"(H) x 19"(W) x 21"(D) 20.6 lbs	1.75"(H) x 19"(W) x 21"(D) 23.8 lbs	3.5"(H) x 19"(W) x 27"(D) 42.2 lbs
Operating Environment	Temperature: 50° to 95°F (10° to 35°C) Humidity: 85% (non-condensing at 104°F [40°C])		
Electrical	100-240 VAC, auto-ranging 50-60 Hz, 5 Amps max, 300 W		

Tumbleweed Appliances offer redundant hot-swappable disk drives and power supplies.



Product Certifications

	US and Canada	International
Safety	cTUVus Mark Certified to UL60950-1, CSA 60950-1	<ul style="list-style-type: none"> TUV Mark and Certification to EN 60950-1: 001+A11: 2004 WEEE & ROHS Certification (in-process)
EMC	FCC part 15 radiated and conducted	<ul style="list-style-type: none"> EN61000-3-2 (Harmonic current emissions) EN61000-3-3 (Voltage fluctuations and flicker) EN61000-4-2 (Electrostatic Discharge test) EN61000-4-3 (Radiated Susceptibility test) EN61000-4-4 (Electric Fast Transient Test) EN61000-4-5 (Surge Immunity Test) EN61000-4-6 (Conducted Immunity Test)

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Tumbleweed MailGate Edge™

Organizations today need to protect themselves from a variety of email threats including Denial-of-Service (DoS), Directory Harvest Attacks (DHA), spoofed email, and messages sent to invalid recipients. Creating a secure email infrastructure includes an email relay designed to stop these attacks before they reach your spam filter or mail server. MailGate Edge™ leverages routing, connection, and authentication information to identify and defend against a host of email attacks, typically reducing your inbound email traffic by 30-50% and sometimes by as much as 70-80%.

FEATURES

High performance email relay

- Manage multiple domains
- Failover to fallback mail servers
- TLS encryption
- Local DNS caching
- Manage trusted hosts allowed to relay email

Edge defenses

- Inbound connection control
- Denial of Service attack detection and prevention
- Directory Harvest attack detection and prevention
- SMTP error control
- Recipient verification
- Throughput control (inbound and outbound)
- IP-based block and allow lists
- Support for RBLs

Web-based administrative UI

- Extensive auditing on inbound, outbound, and attack traffic
- Configuration backup and restore
- SNMP monitoring
- Remote support
- System updates
- Audit Mode

HOW DO YOU SECURE YOUR EMAIL INFRASTRUCTURE?

Recent research shows that DoS and DHA can make up more than half of an organization's inbound email traffic. With most solutions available today, it is difficult to identify and block these email security threats. The deeper these messages get into your corporate network, the greater the cost and the higher the security risk.

IS YOUR CURRENT SOLUTION MANAGEABLE?

Legacy email relays based on open source software and pieced together solutions require constant management, and configuration often requires a Unix administrator with expert knowledge of arcane scripting languages. Reporting is an afterthought—one company claimed to have better visibility into their printer queues than their email queues!

HOW WELL DOES YOUR CURRENT SOLUTION PERFORM?

With the dramatic increases in spam and legitimate email volume over the past several years, many organizations are pushing the performance envelope with their current solutions. This practice reduces the reliability of your email network and can lead to expensive additions of hardware, software, and administration time.

Tumbleweed MailGate Edge

MailGate Edge is a secure email relay appliance that delivers state-of-the-art network-based email defense in a simple-to-manage appliance. An intuitive Web-based administrative user interface offers point-and-click configuration and graphical reporting, significantly reducing the time and costs associated with managing your relay. While MailGate Edge handles very high levels of throughput, the appliance can also be deployed in a redundant configuration to improve the reliability of your overall email network.

State-of-the-Art Email Security

MailGate Edge relay is a highly secure Message Transfer Agent (MTA), able to handle a variety of email and hacker threats. The product runs on a hardened Linux-based appliance, making it virtually impossible for hackers to penetrate at the operating system level. Unlike other email firewall appliances, MailGate Edge does not store sensitive email or spam queues in the DMZ, nor does it require direct access to your corporate directory.

High Performance

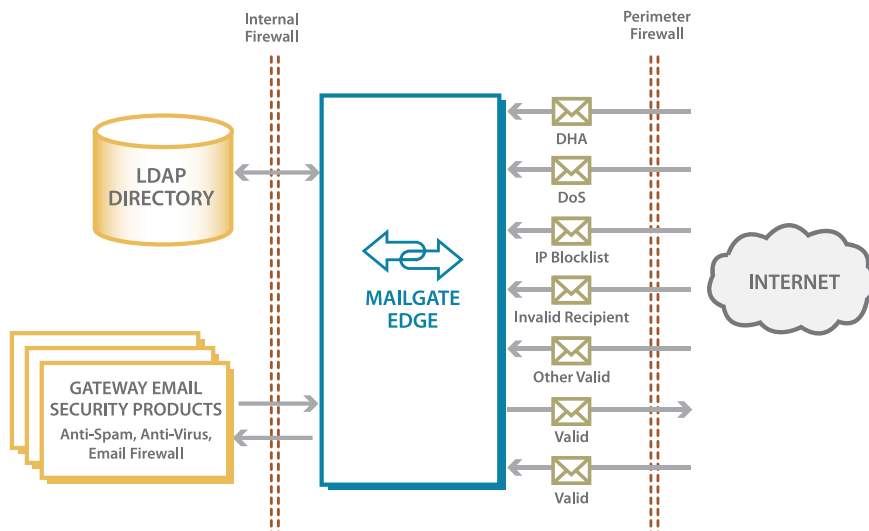
MailGate Edge runs on a performance-optimized Linux-based appliance, tuned for high volume message transfer. Network-level email defenses provide significant security, while avoiding the processing bottlenecks found in content-centric anti-spam and antivirus gateways, plug-ins, and filters. The product easily scales for large email volumes by simply deploying multiple MailGate Edge appliance boxes using MX round-robin techniques or a load balancer.

Easy-to-Manage and Low Cost

MailGate Edge is simple to install and manage, so your Total Cost of Ownership (TCO) is much lower than comparable relay products. With installation taking less than 30 minutes, MailGate Edge provides a simple, intuitive, web-based administration console, reducing the time and skills necessary to manage your email relays. Because it's a purpose-built appliance, you don't have to worry about issues such as managing server hardware or patching the operating system. Additionally, extensive graphical reporting makes it easier to identify and manage performance and security problems—before they become critical.

MailGate Edge Works With Your Anti-Spam and Other Email Security Products

MailGate Edge allows you to securely process your email in the DMZ, stopping large amounts of inbound junk from being sent into your corporate network, reducing the overall amount of inbound email, allowing your anti-spam and anti-virus processing to occur behind the DMZ—often with fewer resources than before.



BENEFITS

- Easy installation and configuration
- Operates out-of-the-box with existing email architectures
- Reduces time and trouble associated with email routing and management
- Cost savings from fast install, low maintenance, reduced infrastructure costs, and best-in-class performance
- Seamless LDAP/Active Directory support further streamlines management
- Strong protection against network-level email threats
- Supports recent enhancements to SMTP including email authentication
- Advanced reporting tools provide visibility and control for email administrators
- Backed by Tumbleweed's 10 years of expertise in email security

SYSTEM SPECIFICATIONS

3500 SERIES

- Rack-mounted 1U appliance
- LCD control panel for rapid configuration and deployment
- Two 1 Gigabit Ethernet ports (GbE)
- 1.75" (H) x 19" (W) x 21" (D)
- 100-240 VAC

5500 SERIES

- Rack-mounted 2U appliance
- LCD control panel for rapid configuration and deployment
- Two 1 Gigabit Ethernet ports (GbE)
- Dual processors
- Four redundant hot-swappable disk drives (RAID configuration)
- Redundant hot-swappable power supplies with failure alarm
- 3.5" (H) x 19" (W) x 27" (D)
- 100-240 VAC

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Tumbleweed SecureTransport™ Server and Edge Appliances

SecureTransport (ST), the industry-leading secure file transfer solution, is the first scalable secure file transfer solution available both as software and as an appliance. With the SecureTransport Server appliance and the Edge appliance, organizations now have a hardware alternative.

“We now do not have to rely on unsecure methods of transferring sensitive data, which frees up hardware, IT support, and user resources. We have yet to miss a deadline since our implementation of SecureTransport. This, more than anything, is worth its weight in gold.”

Maryland State Department of Education

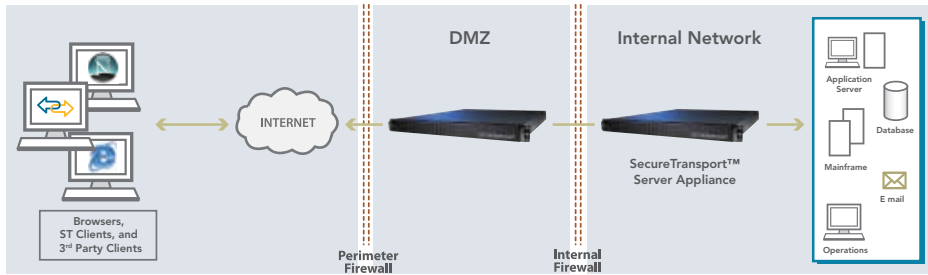
THE ST SERVER AND EDGE APPLIANCES PROVIDE ALL THE FEATURES OF THE SOFTWARE VERSIONS, INCLUDING:

- High-performance, multi-protocol file transfer engine with support for HTTP, HTTPS, FTP, FTPS, and AS2.
- Guaranteed file delivery through post-transfer integrity checks and transfer retries/restarts.
- Purpose-built secure platform for file transfers, with comprehensive access controls, segregated user data, secure audit trail of transfer records, and delegated administration.
- Scalable architecture to support high-volume and high-availability requirements.
- Secure deployment architecture with the SecureTransport Edge, which eliminates the storage of data in the DMZ.
- An extensible rules-based event engine in the Transaction Manager, which allows SecureTransport to interface with external systems.

ADDITIONAL BENEFITS OF THE ST APPLIANCE PLATFORM:

- Hardware and OS installed and provided by Tumbleweed, pre-loaded with the SecureTransport software.
- Based on a hardened Linux operating system, stripped of unessential services and locked-down.
- Utilizes external storage mounts through NFS or SMB/CIFS, including support for Repository Encryption.
- Administered through an HTTPS web interface and SSH.
- Works in conjunction with SecureTransport for Unix software components, such as using an ST Edge appliance in front of an ST Server for Unix. Works in conjunction with SecureTransport for Unix and Windows software

SecureTransport™ Appliance



SecureTransport Server and SecureTransport Edge are available in an appliance form-factor.

About Tumbleweed

Tumbleweed Communications is now the recognized leader in providing secure Internet communication solutions for enterprises and government customers of all sizes. Tumbleweed solutions are used to make email, file transfer, and web communications secure, reliable, and efficient. Using Tumbleweed solutions, businesses can stop spam and viruses, secure and automate data exchange with customers and partners, and ensure compliance with email policies and regulations. The result: organizations using Tumbleweed solutions can safely and securely use the Internet for business, significantly reducing their costs. Founded in 1993, Tumbleweed is trusted by over 1,000 customers.

“SecureTransport was chosen over other products based on an extensive evaluation process and feedback from industry analysts and current users of ST.”

Mastercard International

System Specifications

Form Factor	1U Appliance	2U Appliance
Hardware	1.8 GHz Opteron CPU 1 GB RAM 120 GB Hard Disk GB Ethernet NIC	Dual 2.0 GHz Opteron CPUs 4 GB RAM 320 GB Hard Disk (RAID 10) GB Ethernet NIC Dual Power Supplies
Dimensions	1.75" (H) x 19" (W) x 21" (D)	3.5" (H) x 19" (W) x 27" (D)
Power	100-240V, 50-60 Hz	100-240V, 50-60 Hz

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