

# FolioScan Gateway

## A Clean Email Experience



Most e-mail messaging systems have not been designed with security in mind. This is equally true for open and proprietary e-mail systems, and it is particularly true for internet-based e-mail system. Without effective security solution, these systems are easily becoming the targets of malicious attacks including e-mail borne virus, Trojan, spyware and the increasing spam. Internet-based messaging infrastructures are wide open to passive and active attacks.

### Superior Anti-Virus Solution

Folio VirusProtect anti-virus solution protects your organization against email borne virus, worms, Trojans and any other malicious program even before the virus definition update is available. It features multiple layer scanning with up to five different scanners in series. It also applies AXM technology to detect any executable attachment in e-mail no matter it is compressed or uncompressed format. This system can prevent unknown virus at all time without relying on the virus scanner.

### Intelligent Anti-Spam Technology

Traditional anti-spam solutions are reactive, they compare new messages to known spam, simply looking for words, email address, phrases, and other attributes previously encountered. These technologies cannot adapt quickly enough to detect new threats. Unlike traditional rule base anti-spam technology, Mailsage has developed a sophisticated machine auto-learning system to filter spam. The JunkProtect engine applies Sparse Binary Polynomial statistical analysis to build up a per user base email pattern file. The engine will continuously compare incoming and outgoing email of each user to adjust the statistical value. Without the requirement of any prior training, it is easy to attain 99% accuracy. The more common Bayesian statistical analysis or heuristics engine ignore attribute dependencies and systematically under- or over-estimate spam probabilities.

JunkProtect also supports latest technology like SPF (Sender Policy Framework), Domain Keys Verification, S/MIME signature verification, and Mail Fraud Protection (Phishing).

### Web Security

Any security system without control on the internet access through web browser is not secure at all. Today, virus and malicious contents can get through corporate gateway during web browsing and downloading from illegitimate website by careless users. Folio WebProtect provides a comprehensive measures to close this security back door. It allows system administrator to restrict user access to unauthorized websites, prevents exposure to unnecessary internet activities, which is unrelated to normal business, e.g. personal webmail and porno sites. The anti-virus engine will scan for any virus embedded in the web download traffic. Besides, system administrator can block any document download of prohibited file types with extensions such as exe, mpg, and avi.

If preferred, the system can request users to log-in with user ID and password before any web browsing activity can be conducted. A complete log with detail history of user activity will be available.

### FolioVPN

Remote users can access emails and surf web through a VPN tunnel connected to server in main office. FolioVPN supports most of the latest security standard including; SSL, TLS, X.509 certificate, X.509 PKI, OpenSSL, HMAC-SHA1. It provides a secured environment for satellite office where IT infrastructure and local support is limited.

*"During the past two years, the volume of spam messages sent daily worldwide has jumped from 7 billion in 2002 to 23 billion in 2004."*

## SOPHOS

sophos anti-virus



sav interface



Mailsage and SOPHOS Plc. are OEM partners. Customer can select Sophos SAV Interface for virus scanning in FolioScan Gateway. Sophos is one of the world's largest specialist developers of anti-virus. Headquartered in the UK, the company designs solutions specifically to protect businesses and organizations, including large corporations, banks and governments. Sophos products are sold and supported in more than 150 countries through a global network of subsidiaries and partners.



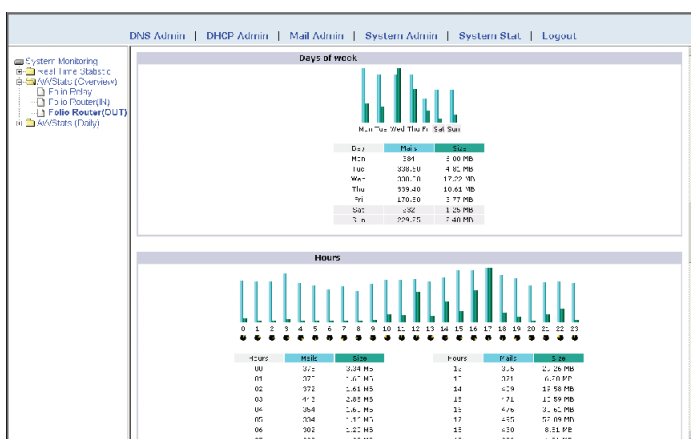
## VirusProtect Features

- Integrate up to 5 different virus scanners to prevent virus definition update time gap.
- SMTP session scanning to reduce server workload during virus outbreak.
- Multiple layers virus scanning to increase accuracy.
- AXM to detect any form of executable file or object, compressed or uncompressed. It does not rely on virus scanner alone to block malicious content.
- Defend HTML format attack.
- Auto virus definition update.

*“Using an integrated security solution can help lower the total cost of ownership.”*

## JunkProtect Features

- Stop unauthorized mail relay.
- Custom blacklist and whitelist. Administrator or user can add/delete entries.
- Auto-Whitelist. Recipient of outgoing email will be whitelisted automatically.
- Check against 60 Real Time Black Lists (RBL).
- Directory harvest protection.
- Personal junk mail filtering policy.
- Intelligent spam filter using Sparse Binary Polynomial statistical analysis.
- Manage junk box by simple drag and drop.
- Prevent sender address spoofing.
- Sender Policy Framework.
- Domain key verification.
- Language independent.
- Detect phishing and provide warning to email recipient.



Complete histories and real time statistics on message traffic by hour, day, week and month. Administrator can easily obtain latest information about email flow, virus and spam activities.

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