



# SECURE EMAIL GATEWAY

ANTI-SPAM : ANTI-PHISHING : ANTI-VIRUS : CONTENT MANAGEMENT

<http://www.fguard.co.uk>

## Introduction

Since February 2002 Integrated Computer Solutions has been providing SMEs with high quality IT support and services. Our customers come from many industry backgrounds, but all share one common aim – to increase productivity and improve competitiveness through the use of technology. We help businesses deliver products and services more effectively using information technology systems every day. This invaluable real-world experience has enabled us to develop the FG50 secure email gateway - a system that puts organisations back in control of their mail boxes. By drastically reducing spam and eliminating message based threats the FG50 frees organisations from the clutches of spammers, internet criminals and fraudsters.

## The problem

Spam has evolved from a nuisance to a threat. Employees are forced to sort through pornographic emails on a daily basis and have become regular targets for directory harvesting attacks, spoofing, phishing and other message based scams. Corporate networks are at risk from virus-loaded emails which, when triggered, cause havoc and are costly to clean up. A recent survey by Network Associates found users spend 40 minutes a week dealing with junk mail. This means each office worker earning an annual salary of £15,000 is paid £277 a year to delete spam! This excludes the added cost of IT staff supporting users with spam issues and dealing with the fallout from virus infections. Then there is the question of stolen bandwidth. Several surveys have shown 45% of all email is spam, meaning a significant portion of an organisation's paid for internet bandwidth is being used to transport unwanted messages. Organisations need a strategy to combat the alarming rise in junk mail.

## The solution

Our FG50 Secure Email Gateway filters spam, viruses and other dangerous content *before* it enters your enterprise. Every message destined for your network is scanned in real-time and only when the integrity of each message has been verified does it get forwarded to your organisation. The benefits of this are:

- *No installation of spam filtering software required and no on-going maintenance*
- *Servers & workstations don't suffer performance drop-offs as a result of running mail scanning software*
- *Bandwidth and network resources are not hogged by unwanted junk mail*
- *Inbound mail is delivered via the FG50 so all other connections can be disabled at firewall level preventing malicious attackers connecting to mail servers altogether*
- *Office and IT staff no longer need to concern themselves with the spam issue*

FG50s are continually monitored and updated by trained engineers to ensure optimum effectiveness. The system doesn't rely on a single technique to identify spam, but a blend of sophisticated filters to intercept messages that contain advertising, phishing, spoofing and virus content. Once identified, junk mail is quarantined on our network for inspection and subsequent deletion by an engineer. We are very proud of the high accuracy rate our FG50s deliver. The scoring system along with the diversity of tests performed makes the chances of a message being incorrectly classified as spam negligible. Even so, quarantined mail is retained for 10 days before permanent deletion, giving ample time for an error to be identified and the message to be forwarded to its recipient. The effectiveness of the tests make it practically impossible for spam and virus writers to produce a message able to bypass the filters.

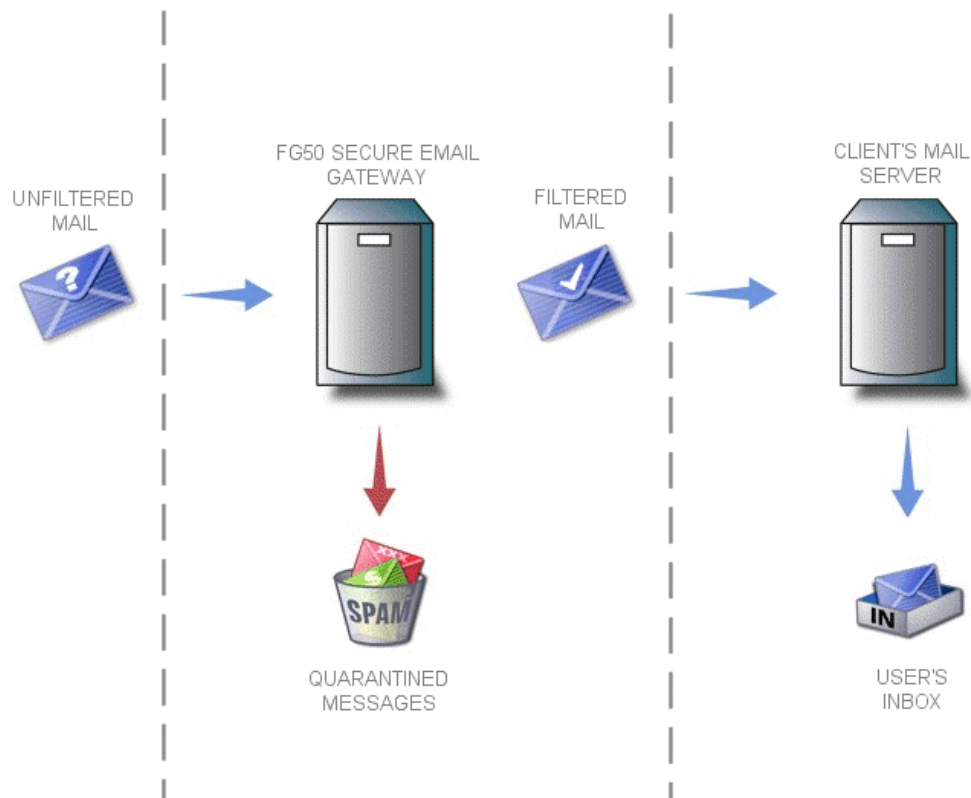
The FG50 intercepts 98% of:

- *Unsolicited commercial emails (Spam)*
- *Phishing attacks*
- *Directory Harvesting attacks (DHA)*
- *Email spoofing*
- *Viruses*

The managed service includes free white and black listing in case you have specific email addresses or domains you want permitted or blocked. We also supply customers with regular reports showing spam interception results. This allows customers to gauge how effectively the system is doing its job.

Lastly, we ensure reliability of the service by incorporating multiple redundancy in the form of RAID technology, backup systems and backup internet connections.

### Mail flow diagram



### Supply model

Due to the comparatively high purchase cost of the FG50 we predominantly supply it as a managed service for an annual fee. The benefits of this are:

- *No significant cash outlay required for outright purchase*
- *Zero cost of ownership as all system maintenance and software updates are performed by us*
- *Conserves 100% of internet bandwidth as only filtered mail is forwarded to clients*
- *No special knowledge or staff training required*

Alternatively, the FG50 can be purchased as an Out-of-the-Box email security appliance. This offers the following advantages:

- *Full access to configuration tools providing a higher degree of customisability and control*
- *Organisations with multiple domains may find managing these on a per domain basis easier*
- *Large organisations with upwards of 500 mail boxes may find it more cost effective*

## Pricing for the Managed Service

### FREE NO OBLIGATION 3 MONTH TRIAL!

We are so confident the volume of junk mail entering your enterprise will be drastically reduced by our service we offer a FREE 3 month trial. To this end, you will be able to fully evaluate the effectiveness of our system without obligation or commitment. If you continue using the service after 3 months you will be charged as per the pricing examples below. If you decide not to continue the service you'll be charged nothing.

**5 users = £49.00 per year**

**15 users = £99.00 per year**

**25 users = £139.00 per year**

**25+ users = POA**

## Pricing for the Out-of-the-Box solution

For those who want total control over their email security we supply the FG50 as an Out-of-the-Box appliance. The system is supplied custom configured for your organisation meaning it will begin working as soon as it is installed on your network. From day one an FG50 intercepts 95% of junk mail. This rate increases to around 98% as the system begins recognising common junk mail patterns.

Each FG50 takes highly skilled engineers several days to build, customise and test. The cost of purchasing the appliance is reflected in this. To safeguard our customer's investment we do not supply the system on hardware platforms that aren't fault tolerant. If we did this and component failure led to a system becoming non-operational our customer's significant financial outlay, along with delivery of email, would be lost until the unit is replaced or repaired. To avoid this the FG50 is only supplied on server platforms incorporating dual power supplies, fault tolerant memory and redundant disk arrays. In simple terms, our systems are designed to stay operational even after the failure of a core component such as a hard disk or power supply unit. This increases reliability, protects financial investment and ensures the uninterrupted delivery of email. System features and prices are below:

- *2U rack mounted chassis*
- *Hot swap bays / redundant power supply / disk array / ECC memory*
- *Spam blocking*
- *Virus scanning*
- *Pre-configured to customer requirements*
- *Capable of processing 80,000+ messages per day*

**Cost: £2349.00**

The basic installation cost is £59.00 which includes connecting the FG50 to your network, transferring your organisation's email flow and configuring your firewall and mail sever.

Training and custom installation are provided on request. Please contact us for pricing.

## CONTACT US:

FGUARD  
Integrated Computer Solutions Ltd  
Independent House  
18-20 Thorpe Road  
Norwich NR1 1RY

T: 01603 858 892

E: [info@fguard.co.uk](mailto:info@fguard.co.uk)

W: [www.fguard.co.uk](http://www.fguard.co.uk)