

# FortiMail

Specialized Email Security Solutions

Datasheet

## Flexible Email Security System to Defend Against Spam and Malicious Content

### Email is a Mission Critical Business Application

In today's networks, email is one of the most predominant business communication methods. Unfortunately, email has also become one of the most common vehicles for proliferating blended threats comprised of viruses, worms, spyware and spam. These blended attacks can negatively impact business productivity, cause business downtime and lead to identity theft. In response, companies have leveraged point product security technologies, such as antispam, to patch against single threaded attacks. In addition, legislation has been introduced to ensure that companies comply with security best practices for email archiving that enable forensic and legal audits. Email is a mission critical application for all businesses that must be secured.

### Complete Email Security in One Appliance

FortiMail™ is a specialized email security system that provides multi-layered protection against blended threats comprised of spam, viruses, worms and spyware. The FortiMail system relies on a customized operating system that cleans emails through corresponding FortiMail antispam, antivirus and antispyware engines. To ensure up to date email protection, FortiMail relies on Fortinet FortiGuard™ antivirus, antispyware and antispam security subscription services that are powered by a worldwide 24x7 Global Threat Research Team. FortiMail provides unparalleled deployment flexibility and powerful bi-directional email routing, Quality of Service (QoS), virtualization and archiving capabilities with a lower total cost of ownership.

#### Key Solution Features and Benefits

- Complete Multi-Layered Security** Complete solution providing industry leading security features including antispam, antivirus and antispyware with signatures continually updated via FortiGuard service
- Highest Levels of Performance and Reliability** Specialized Mail Transfer Agent (MTA) engine manages peak capacity while applying intelligent routing and QoS policies. High-availability configurations are available to ensure maximum up-time.
- Deployment Flexibility** Only email security solutions that can be deployed in transparent, gateway or server modes.
- Cost-Effective to Own and Operate** Integrated antispam, antivirus and antispyware protection without per user or mail box pricing restrictions.

FortiMail-100

FortiMail-400

FortiMail-2000

FortiMail-4000A

### Multi-Layered Email Security

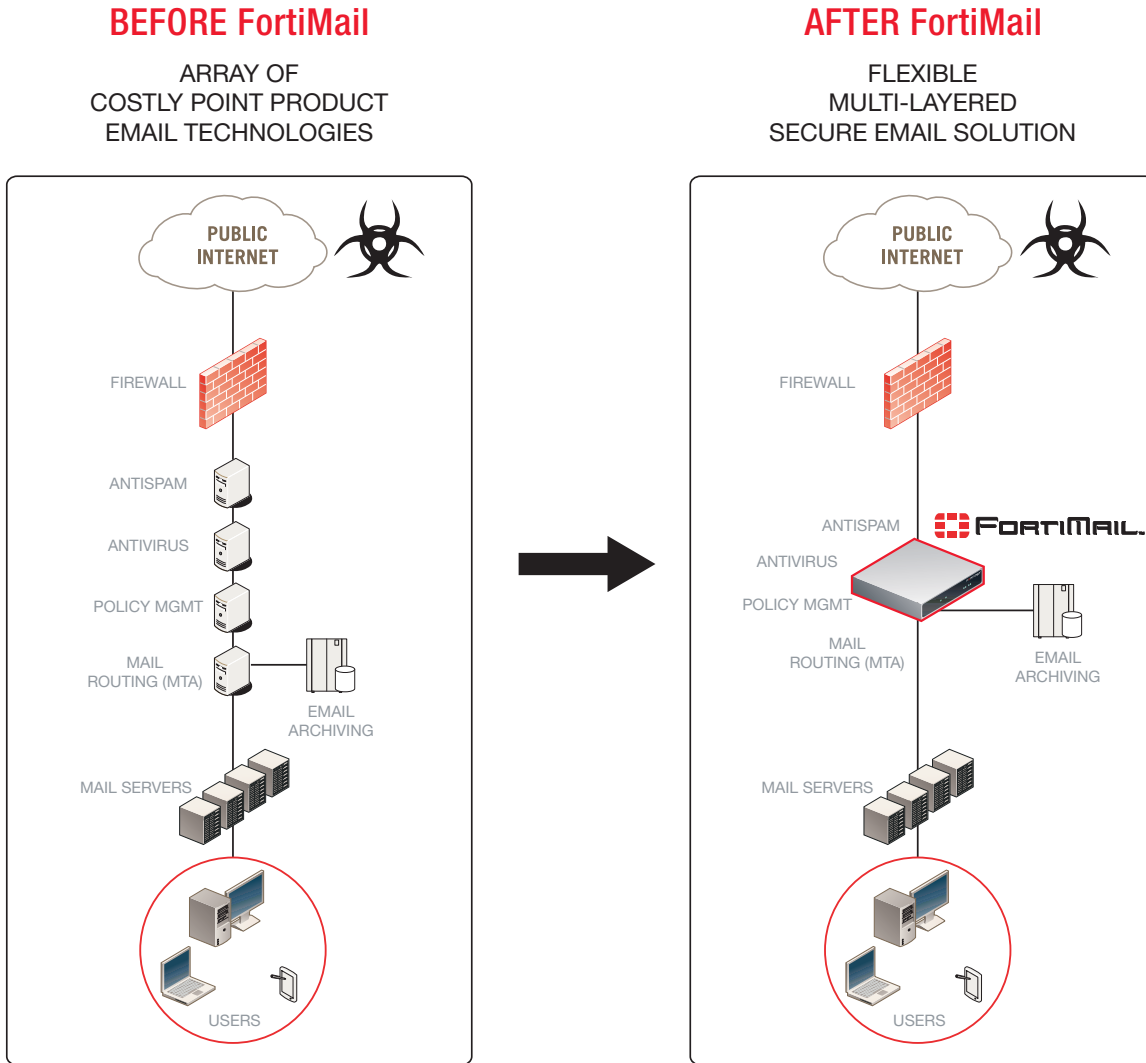
Securing email requires multi-layered protection against inbound and outbound risks that proliferate spam, viruses and spyware to email infrastructure and users. At the same time, email content policies must be enforced and good email must be archived for compliance purposes. Unique to inbound risks, are DHA (Directory Harvest Attacks) and DOS (Denial of Service) attacks, which must be part of a multi-layered email security strategy. For outbound risks an email security solution must ensure that infected zombie PC's that relay spam do not lead to a legitimate enterprise network becoming added to a Real-Time Black List (RBL).



## FortiMail Email Security System

### Email Security Patches are Ineffective

To defend against blended threats, organizations have deployed a costly point product array of antivirus, antispam and antispam technologies at the network perimeter. For most organizations this approach has proven to be prohibitive both from a capital and operational cost perspective. Furthermore, requirements for email archiving and routing further compound the proliferation of email point product technologies. Deploying an excessive amount of email security and routing infrastructure is an ineffective method to protect against blended threats and to comply with email archiving guidelines.



## FortiMail Email Security System

FortiMail is the world's most flexible turn-key email security system that can be deployed to protect and complement existing email infrastructure. FortiMail provides comprehensive protection against blended spam, virus and spyware threats. In addition, FortiMail's rich routing and archiving capabilities ensure that organizations can comply with best practice email archiving guidelines. FortiMail empowers organizations with a flexible system that cost effectively secures email communication.

## FortiMail Series



Feature	FortiMail-100	FortiMail-400	FortiMail-2000	FortiMail-4000A
Security Hardened Platform	Yes	Yes	Yes	Yes
10/100 Ethernet	4	4	0	0
10/100/1000 Ethernet	0	2	4	2
Total Hard Drive Capacity	250 GB	500 GB	1.5 TB Std / 2.4 TB Opt	3.0 TB Std / 4.8 TB Opt
RAID Storage Management	n/a	Yes (0, 1)	Yes (0, 1, 5, 10, 50)	Yes (0, 1, 5, 10, 50)
LCD Display	n/a	Yes	Yes	n/a
Redundant Hot Swappable Power Supplies	n/a	n/a	Yes	Yes
Email Domains	50	500	3,000	3,000
Recipient-Based Policies (Per Domain)				
For Incoming Mail	20	40	100	100
Recipient-Based Policies				
For Outgoing Mail	50	500	1,500	1,500
Server Mode Mailboxes	200	1,000	3,000	3,000
Antispam Profiles	60	175	550	550
Antivirus Profiles	60	175	550	550
Authentication Profiles	60	175	550	550
Content Profiles	60	175	550	550
Email Aliases	256	256	256	256
Tiered Administration Domains	5	25	50	50
Performance (messages / hour) *	(RAID 0 Mode)	(RAID 1 Mode)	(RAID 10 Mode)	(RAID 10 Mode)
- Email Routing	64,800	187,200	331,200	345,600
- FortiGuard Antispam	57,600	162,000	288,000	302,400
- FortiGuard Antispam + Antivirus	54,000	154,800	280,800	295,200
Dimensions (H, W, L)	2 x 13.5 x 6.75 in (5 x 33.7 x 17.5 cm)	1.75 x 16.8 x 10 in (4.5 x 42.7 x 25.4 cm)	3.5 x 17.5 x 29 in (8.9 x 44.5 x 73.7 cm)	3.5 x 19 x 27 in (8.9 x 48.3 x 68.6 cm)
Weight	4.4 lbs (2 kg)	7.3 lbs (3.3 kg)	53.4 lbs (24.2 kg)	68 lbs (30.8 kg)
Rack Mountable	n/a	Yes	Yes	Yes
Input Voltage	100-240VAC	100-240VAC	100-240VAC	100-240VAC
Input Current	0.8A	4A	9A	9A
Operating Temperature		32 to 104 deg F (0 to 40 deg C)		
Storage Temperature		-13 to 158 deg F (-25 to 70 deg C)		
Humidity		5 to 95% non-condensing		
Regulatory		FCC Class A Part 15 / CE Mark		

\* True throughput without queuing based on 3 KB message size

### FortiMail Features

FortiMail devices support the following secure email features:

- FortiMail Multi-Layered Security** The comprehensive functionality and high performance of FortiMail enables complete antispam, antivirus and antispysware protection.
- Standards-based Messaging Engine** FortiMail utilizes a standards-based Mail Transfer Agent (MTA) optimized to provide the highest levels of performance.
- No Per User/Per Mailbox Pricing** Unlike email security point products technologies that charge on a per user or mail box basis, the FortiMail system provides complete multi-layered antivirus, antispam and antispysware security protection for an unlimited number of users or mailboxes.
- Deployment Flexibility** Support for Transparent, Gateway or Server operating modes allows FortiMail to seamlessly integrate into existing networks.
- High Reliability & Serviceability** High-end FortiMail systems support hot swappable power supplies and flexible RAID storage configurations that provide very high reliability and ease of serviceability.
- Email Archiving** Local and remote storage, enables visibility and auditing capabilities into every aspect of email usage to help enforce use policies.
- Logging and Reporting** FortiMail provides system-wide antivirus / antispam event logging, comprehensive reporting and scheduled report generation.

### Transparent (Bridge) Mode

Seamless installation in front of existing email servers with no IP address changes or changes to the existing mail server network configuration.

### Gateway (Relay) Mode

Provides inbound and outbound proxy MTA services for existing email gateways. Simple DNS MX record change redirects email to FortiMail for spam and antivirus scanning.

### Server Mode

FortiMail functions as a full featured SMTP mail server with flexible support for secure POP3, IMAP and WebMail access.

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### FortiMail series platforms provide the following features:

#### TRANSPARENT, GATEWAY AND SERVER MODE FEATURES

Multiple Email Domain Support  
 Tiered Administration Accounts  
 High Availability (HA) Support  
 SMTP Mail Gateway for Existing Email Servers  
 Integrated Policy-Based Email Routing and Queue Management  
 Outbound Mail Relay for Improved Mail Security  
 Granular Layered Detection Policies for Spam And Viruses  
 Addresses, IP Addresses, or Domains  
 Per User Antivirus and Antispam Scanning Using LDAP Attributes on a Per Policy (Domain) Basis  
 LDAP-Based Email Routing  
 Quarantined Email Access with WebMail and POP3  
 Daily Quarantine Summaries  
 Policy-Based Email Archiving of Inbound and Outbound Messages with Backup Support for Remote Storage  
 Comprehensive Email Monitoring, Logging, and Reporting  
 Mail Queue Support for Failed, Deferred, and Undeliverable Email  
 SMTP Authentication Support Through LDAP, RADIUS, POP3 or IMAP  
 Per User Automatic White List  
 SNMP Support Using Standard Mibs And Private MIB with Threshold Based Traps  
 Maintains a Local Sender Reputation List Based on:
 

- Number of Viruses Sent
- Amount of Spam Sent
- Number of Bad Recipients

 Dynamic DNS (DDNS)  
 Reports can be Generated and Sent as a PDF  
 Greylist Database Persistence  
 Security Hardened Operating System

#### SERVER MODE SPECIFIC FEATURES

The Following Features are Supported in Server Mode ONLY: POP3, SMTP, and IMAP Email Services  
 SMTP over SSL Support  
 Disk Quota Policy Support for User Accounts  
 Secure WebMail Client Access  
 User, Group and Alias List Support  
 Local Account and LDAP Authentication  
 Bulk Folder Support for Spam Mail

#### HIGH AVAILABILITY (HA)

Supported for Gateway, Transparent, and Server Modes  
 Active-Passive Configuration  
 Mail Data Synchronization  
 Stateful Failover  
 Device Failure Detection and Notification  
 Link Status Monitor  
 Link Failover

#### ANTIVIRUS / ANTISPYWARE PROTECTION

Virus Scan SMTP Messages  
 Compressed Attachment and Nested Archive Support  
 Quarantine Infected Files  
 Replacement Message Notification  
 Block by File Type  
 Attachment Filtering

#### DENIAL-OF-SERVICE PROTECTION

Denial of Service (Mail Bombing)  
 Recipient Address Attack  
 Email Rate Limiting  
 Reverse DNS Check (Anti-Spoofing)  
 Forged Sender Address

#### ANTISPAM - CONTENT LEVEL DETECTION

Inbound and Outbound Email Filtering  
 Extensive Heuristic Spam Filters  
 Attachment/Content Filtering  
 Deep Email Header Inspection  
 Bayesian Statistic Filtering  
 Spam URI Real-Time Blocklists (SURBL)  
 Banned Word Filtering  
 Inbound and Outbound Email Filtering  
 Spam Quarantining and Spam Tagging  
 Spam Management (Accept, Relay, Reject or Discard)  
 Based on Email SHASH Spam Checksum Blocklist  
 Spam Image Analysis Scanning  
 FortiGuard Antispam Service  
 Global and User Customized Black/White Lists  
 3rd Party Real-Time Black Listed (RBL) Support  
 Forged IP Checking  
 Greylist Checking

#### LOGGING AND REPORTING

Configuration Change and Management Event Logging  
 Antivirus Incident Logging  
 Antispam Activity Logging  
 External or Local Syslog Server Support  
 Expanded Central Reporting with FortiReporter Support  
 Critical Events And Virus Incident Alerting  
 Comprehensive Reporting with Over 140 Reports In Seven Categories  
 Scheduled Report Generation

#### FortiGuard Subscription Services

- Includes:
- Automatic updates from over 50 redundant high speed database servers around the globe.
  - Complete Wildlist virus protection for over 4,500 active viruses from FortiGuard's active database of over 60,000 viruses.
  - Complete Zoo list virus protection for over 300,000 known attacks.
  - Real-time spam database service for both connection level and content level protection.

#### FortiCare Support Services

- Includes:
- 24 X 7 X 365 Web-based Support
  - 8 x 5 Telephone-based Technical Support\*
  - 1-Year Limited Hardware Warranty
  - 90-Day Limited Software Warranty
- \* 24 X 7 Telephone Technical Support available



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