

# FortiMail

Specialized Messaging Security Solutions

Datasheet

## Flexible Messaging Security to Defend Against Spam and Malicious Content

### Messaging is a Mission Critical Business Application

In today's networks, email, instant messaging, and web-based messaging are the most predominant business communication methods. Unfortunately, they have become one of the most common vehicles for proliferating blended threats composed of viruses, worms, spyware and spam. In response, companies have deployed products such as antispam to protect against attacks. Unfortunately, today's multi-threaded threats can evade point-products like antispam. These blended attacks can negatively affect business productivity, cause business downtime and lead to identity theft. In addition to detecting and blocking threats, companies look to their messaging solutions to comply with security best practices for message archiving, forensic analysis, and audit compliance. Messaging is a mission critical application for organizations of any size that requires enterprise-grade security.

### Complete Messaging Security in One Appliance

FortiMail™ is a specialized messaging security system that provides multi-layered protection against blended threats composed of spam, viruses, worms and spyware. The FortiMail system relies on a customized operating system that cleans messages through corresponding FortiMail antispam, antivirus and antispyware engines. To ensure up to date messaging protection, FortiMail relies on Fortinet FortiGuard™ antivirus, antispyware and antispam security subscription services, powered by a worldwide 24x7 Global Threat Research Team. FortiMail provides unparalleled deployment flexibility and powerful bi-directional message 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 updated via FortiGuard Security Subscription Service.
- Highest Levels of Performance and Reliability**  
 Specialized Mail Transfer Agent (MTA) engine manages peak capacity while applying intelligent routing and QoS policies. Optional High Availability (HA) configurations ensure maximum up-time.
- Deployment Flexibility**  
 Only messaging security solutions with transparent, gateway or server mode deployment options.
- Cost-Effective to Own and Operate**  
 Integrated antispam, antivirus and antispyware protection without per user or mail box pricing restrictions.



FortiMail-100



FortiMail-400



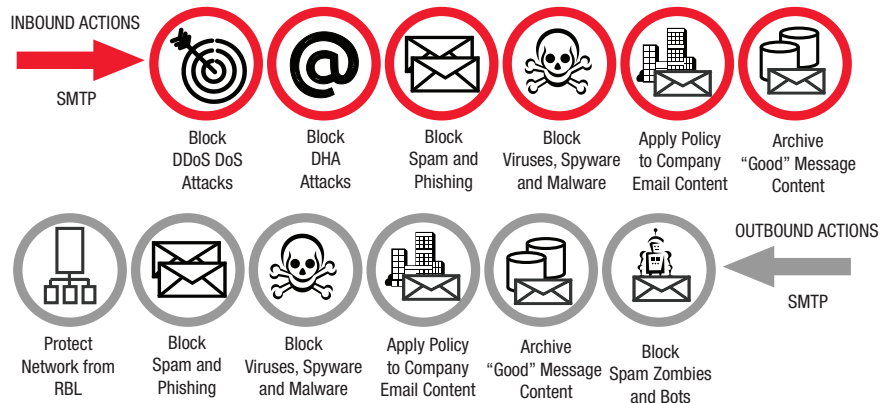
FortiMail-2000A



FortiMail-4000A

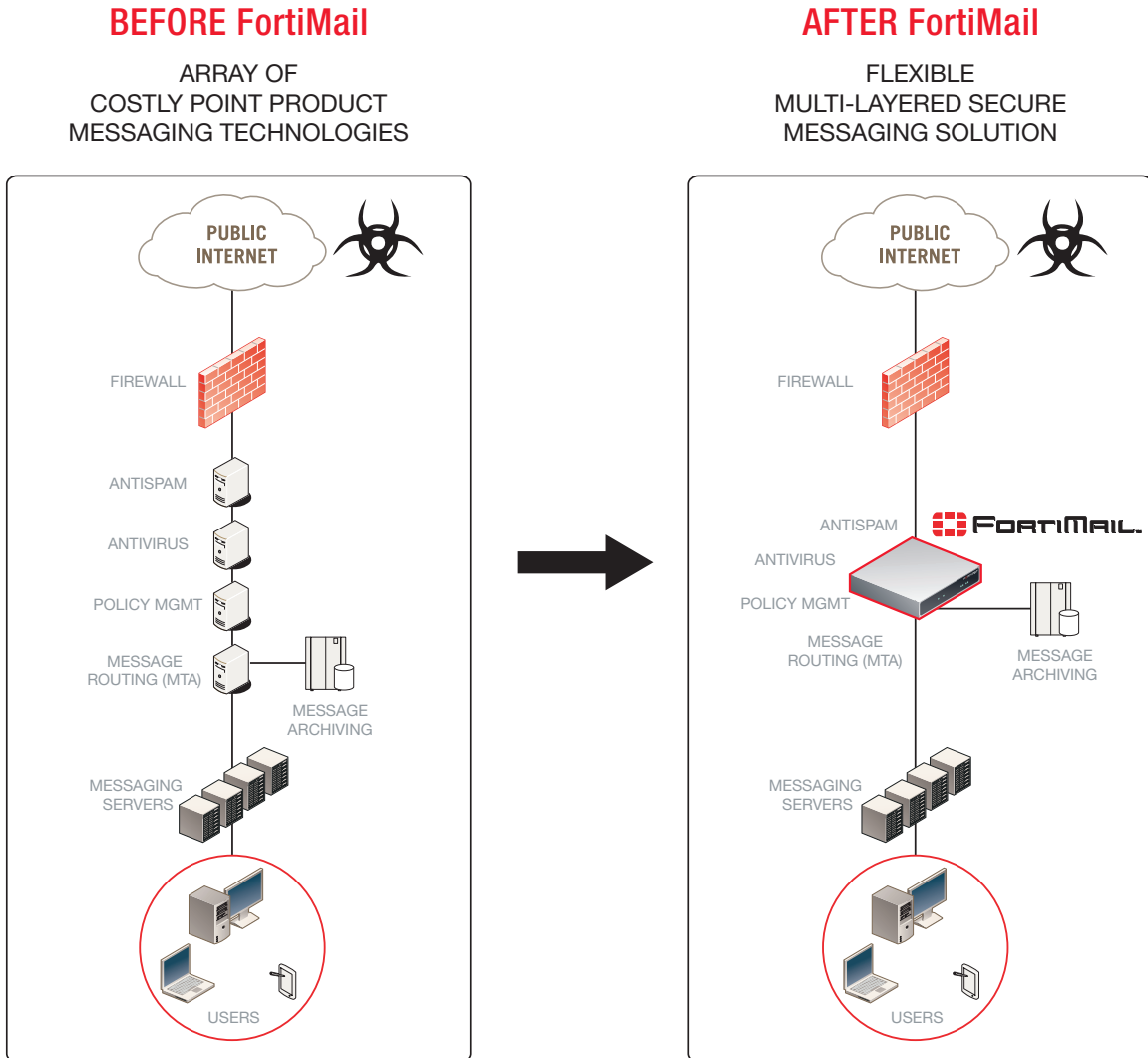
### Multi-Layered Messaging Security

Securing messages requires multi-layered protection against inbound and outbound risks that proliferate spam, viruses and spyware to messaging infrastructure and users. At the same time, messaging content policies must be enforced and good messages 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 message security strategy. For outbound risks a messaging security solution must ensure that infected zombie PCs that relay spam do not lead to a legitimate enterprise network becoming added to a Real-Time Black List (RBL).



## Messaging Security Patches are Ineffective

To defend against blended threats, organizations have deployed a costly point product array of antivirus, antispyware 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 message archiving and routing further compound the proliferation of messaging point product technologies. Deploying an excessive amount of messaging security and routing infrastructure is an ineffective method to protect against blended threats and to comply with message archiving policies.



## FortiMail Messaging Security System

FortiMail is the world's most flexible turn-key messaging security system that can be deployed to protect and complement existing messaging infrastructure. FortiMail provides ICSA Labs certified protection against blended spam, virus and spyware threats. In addition, FortiMail's rich routing and archiving capabilities ensure that organizations can comply with messaging archiving policies and best practices. FortiMail empowers organizations with a flexible, cost effective messaging security system.

## FortiMail Series



Feature	FortiMail-100	FortiMail-400	FortiMail-2000A	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	3.0 TB
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	1500	1500
Server Mode Mailboxes.....	200	1000	3000	3000
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 1 Mode)	(RAID 1 Mode)
- Email Routing.....	64,800	187,200	518,000	679,500
- FortiGuard Antispam.....	57,600	162,000	426,000	559,500
- FortiGuard Antispam + Antivirus.....	54,000	154,800	371,500	467,000
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 x 27 in (8.9 x 43.2 x 68.6 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)	55 lbs (25 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 messaging 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 messaging 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.
- Message Archiving** Local and remote storage, enables visibility and auditing capabilities into every aspect of messaging 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 messaging servers with no IP address changes or changes to the existing message server network configuration.

#### Gateway (Relay) Mode

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

#### Server Mode

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

## FortiMail Series



Feature	FortiMail-100	FortiMail-400	FortiMail-2000A	FortiMail-4000A
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### FortiMail series platforms provide the following features:

#### TRANSPARENT, GATEWAY AND SERVER MODE FEATURES

Multiple Email Domain Support  
 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 Message Access with WebMail and POP3  
 Daily Quarantine Summaries  
 Policy-Based Archiving of Inbound and Outbound Messages with Backup Support for Remote Storage  
 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)  
 Greylist Database Persistence  
 Security Hardened Operating System  
 Multiple Language Support  
 Regex Pattern Matching  
 Sender Policy Framework (SPF)  
 DomainKeys  
 DomainKeys Identified Mail (DKIM)

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

#### Management, Logging and Reporting

Quick-Start Setup Wizard  
 Basic / Advanced Management Modes  
 Real-time Statistics  
 Tiered Administration Accounts  
 Quarantine Search Capability  
 Automated PDF report scheduling  
 Configuration Change and Management Event Logging  
 Antivirus Incident Logging  
 Antispam Activity Logging  
 External or Local Syslog Server Support  
 Expanded Central Reporting with FortiAnalyzer 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 30,000 active viruses from FortiGuard's active database of over 1.5 million viruses.
  - Complete Zoo list virus protection.
  - Real-time spam database service for both connection level and content level protection.
  - 28 million antispam signatures updated per week

#### FortiCare Technical Support Services

- Includes:
- 24 x 7 x 365 Comprehensive Support
  - 8 x 5 Enhanced Support
  - 1-Year Limited Hardware Warranty
  - 90-Day Limited Software Warranty

To learn more about the FortiMail family, visit [fortinet.com/products/fortimail.html](http://fortinet.com/products/fortimail.html)

**FORTINET**

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