

# FortiMail™

## Comprehensive Messaging Security



### Proven Security

The FortiMail family of appliances is a proven, powerful messaging security platform for any size organization, from small businesses to carriers, service providers, and large enterprises. Purpose-built for the most demanding messaging systems, the FortiMail appliances utilize Fortinet's years of experience in protecting networks against spam, malware, and other message-borne threats.

### Intelligent Protection

You can prevent your messaging systems from becoming threat delivery systems with FortiMail. Its inbound filtering engine blocks spam and malware before it can clog your network and affect users. Its outbound inspection technology prevents outbound spam or malware from causing other antispam gateways to blacklist your users (including mobile traffic). The FortiMail dynamic and static user blocking gives you granular control over all of your policies and users.

FortiMail provides Identity-Based Encryption (IBE), in addition to S/MIME and TLS, as email encryption option to enforce policy-based encryption for secure content delivery. Furthermore, the FortiMail customizable and predefined dictionaries prevent accidental or intentional loss of confidential and regulated data.

### High Performance and Unmatched Flexibility

The FortiMail systems provide high-performance mail routing and security by utilizing multiple high accuracy antispam filters. Coupled with FortiGuard™ Labs' industry leading real-time antivirus and antispymware protection, FortiMail provides you with extremely fast and accurate messaging security that will not affect your users or delay their communications. FortiMail also gives you unmatched flexibility to deploy your messaging security in the mode that best suits your environment and your users.

### FortiMail Product Family: Comprehensive Messaging Security

- ✓ Inspect up to 1.3 million emails per hour
- ✓ Unmatched deployment flexibility
- ✓ Identity-Based Encryption delivered in both push and pull methods
- ✓ Customizable and predefined dictionaries prevent data loss
- ✓ Granular policy enforcement with endpoint
- ✓ Real-time updates from FortiGuard



Features	Benefits
<b>Unmatched deployment flexibility, including virtual appliances – Transparent, Gateway, and Server mode</b>	All mail servers on the market deploy in Server mode; some offer Gateway mode. Fortinet is the only one to offer Transparent mode, which enables a FortiMail to intercept emails without the need to change the DNS MX record or change the existing mail server network configuration.
<b>Identity-Based Encryption delivered in the option the method of push and pull</b>	Ensures secure delivery of confidential or regulated content. Extremely easy to deploy – no additional hardware or software to install, no user provisioning, no pre-enrollment for recipient.
<b>Data Loss Prevention</b>	Detect the accidental or intentional loss of confidential or regulated data. You can choose to block messages containing data matching a range of patterns or create policies to enforce the encryption of messages carrying this data. Aids in PCI/DSS, HIPAA compliance.
<b>Antispam gateway that retrieves endpoint information</b>	Enables Carriers and Service Providers to block spamming endpoints (including smart phones) preventing blacklisting of legitimate subscribers.
<b>Integrated security with no per-user or per-mailbox pricing</b>	Complete multi-layered antivirus, antispam, antispymware, and antiphishing security protection for an unlimited number of users. Greatly reduces TCO.

## 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 and Private MIB with Threshold Based Traps
- Maintains 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)
- Fragmented Message Blocking
- Virtual Host Support Using Pool of IP Address for Source and/or Destination

## DENIAL-OF-SERVICE PROTECTION

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

## ENCRYPTION

- Identity-based Encryption for Push/Pull Delivery of Encrypted Messages
- S/MIME Support for Gateway-to-Gateway Encryption
- Support for strong-crypto protocols including HTTPS, SMTPS, SSH, IMAPS and POP3S

## HIGH AVAILABILITY (HA)

- Supported in all Modes
- Active-Passive Configuration
- Quarantine and Mail Queue Synchronization
- Stateful Failover
- Device Failure Detection and Notification
- Link Status Monitor
- Link Failover

## MANAGEMENT, LOGGING, AND REPORTING

- QuickStart 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
- External or Local Storage Server Support, Including iSCSI devices
- Expanded Central Reporting with FortiAnalyzer Support
- Critical Events and Virus Incident Alerting
- Comprehensive Reporting with Over 140 Reports In Seven Categories
- Scheduled Report Generation
- Dictionary-triggered Archiving

## 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 Block List
- 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

## 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

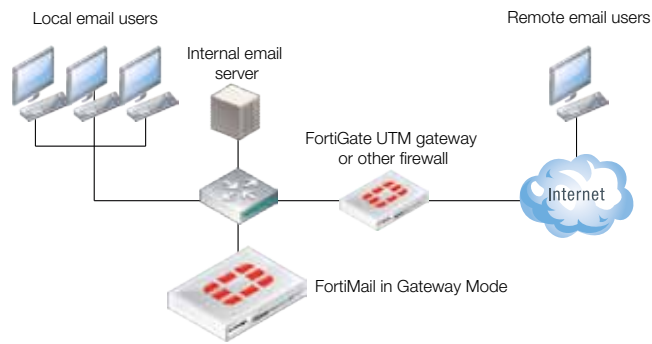
## SERVER MODE SPECIFIC FEATURES

- 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
- WebMail Calendar
- Email Forwarding Preference
- Address Book Synchronize with LDAP

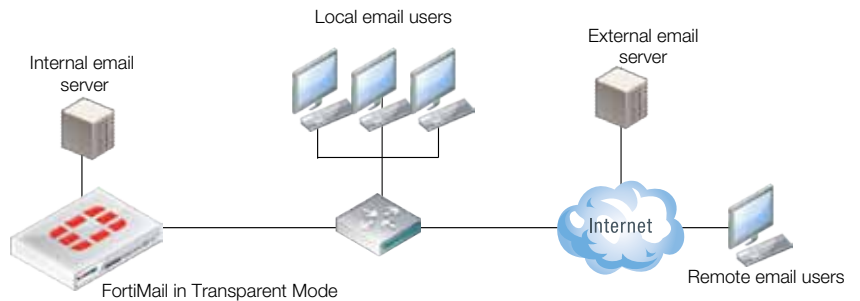
## FortiMail Deployment Options

You have the option of deploying FortiMail in Transparent, Gateway, or Server mode, to meet your specific messaging security requirements and minimize infrastructure changes or service disruptions:

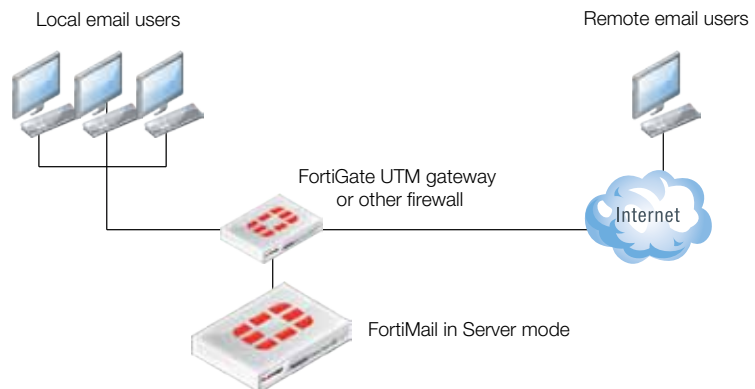
- Gateway Mode:** Provides inbound and outbound proxy mail transfer agent (MTA) services for existing email gateways. A simple DNS MX record change redirects email to FortiMail for antispam and antivirus scanning. The FortiMail unit receives messages, scans for viruses and spam, then relays email to its destination email server for delivery.



- Transparent Mode:** Each network interface includes a proxy that receives and relays email. Each proxy can intercept SMTP sessions even though the destination IP is not the FortiMail appliance. FortiMail scans for viruses and spam, and then transmits email to destination email server for delivery. Eliminates the need to change the DNS MX record or change the existing mail server network configuration.

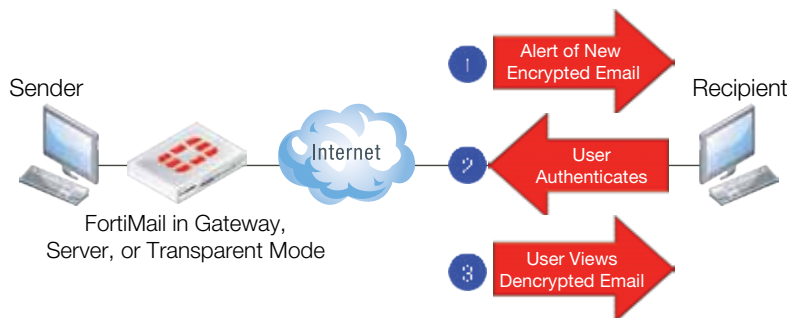


- Server Mode:** The FortiMail unit acts as a stand-alone messaging server and delivers full-featured SMTP mail server functionality, with flexible support for secure POP3, IMAP and WebMail access. It receives messages, scans for viruses and spam, and then delivers to its email users' mailboxes. External MTAs connect to the FortiMail server, as in server mode, the FortiMail unit functions as a protected server itself.



## Identity Based Encryption

Deliver confidential or regulated email securely without requiring additional hardware, software user provisioning, or additional license fees. Eliminate the use of paper-based communications to save costs.



- Policy-Based Encryption:** Create policies to automatically encrypt messages for compliance based on content or recipient
- Push or Pull Mode:** Use Push, Pull, or a combination of modes to meet your requirements
- Easy to Deploy, Use, and Manage:** Implement IBE in any deployment mode, including Transparent. Deploy without any user provisioning or additional hardware or software



Technical Specifications	FortiMail-100C	FortiMail-400B	FortiMail-2000B	FortiMail-3000C	FortiMail-5001A
<b>Hardware Specifications</b>					
10/100 Interfaces (Copper, RJ-45)	1	0	0	0	0
10/100/1000 Interfaces (Copper, RJ-45)	2	4	6	4	2
SFP Gigabit Ethernet Interface	0	0	0	2	0
Internal Backplane Base / Fabric Channel Interfaces	0	0	0	0	2 / 2
Expansion Slot	0	0	0	0	1 Single-Width AMC
Redundant Hot Swappable Power Supplies	No	No	Yes	Yes	N/A
Storage	1 TB	1 x 500 GB (1 TB Optional)	2 x 1 TB (6 TB Optional)	2 x 1 TB (6 TB Optional)	1 x 80 GB HDD (ASM Storage Module)
RAID Storage Management	No	Software: 0, 1 (Raid 1 Requires Second 500 GB Drive)	Hardware: 1, 5, 10, 50, Hot Spare (Based on Number of Drives)	Hardware: 1, 5, 10, 50, Hot Spare (Based on Number of Drives)	No
Form Factor	Desktop	Rack Mount Appliance	Rack Mount Appliance	Rack Mount Appliance	ATCA Chassis
<b>System Specifications</b>					
Email domains	50	500	5,000	5,000	10,000
Recipient based policies (per Domain / per System) - incoming or Outgoing	60 / 300	600 / 3000	1,500 / 7,500	1,500 / 7,500	1,500 / 7,500
Server Mode Mailboxes	200	1,000	3,000	3,000	3,000
Antispam, Antivirus, Authentication, and Content Profiles (per Domain / per System)	50 / 60	50 / 200	50 / 600	50 / 600	50 / 600
Unlimited User Licenses	Yes	Yes	Yes	Yes	Yes
<b>Performance (Messages/Hour) [Without queuing based on 3 KB message size]</b>					
Email Routing	90,000	264,600	1.1 Million	1.3 Million	1.4 Million
FortiGuard Antispam	85,000	234,000	1.1 Million	1.3 Million	1.3 Million
FortiGuard Antispam + Antivirus	77,000	185,400	1.0 Million	1.2 Million	1.1 Million
<b>Dimensions</b>					
Height x Width x Length (in)	1.75 x 15 x 6.3 in	1.7 x 17.3 x 14.5 in	3.4 x 17.4 x 26.8 in	3.4 x 17.4 x 26.8 in	1.2 x 14.0 x 12.2 in
Height x Width x Length (cm)	4.4 x 38 x 16 cm	4.5 x 43.8 x 36.8 cm	8.6 x 44.3 x 68.1 cm	8.6 x 44.3 x 68.1 cm	3 cm x 35.5 x 31 cm
Weight	4 lbs (1.8 kg)	10 lb (4.5 kg)	57.5 lb (26.1 kg)	57.5 lb (26.1 kg)	8 lb (3.6 kg)
<b>Environment</b>					
Power Required	100-240V AC	100-240V AC	100 – 240 V, 50/60 HZ, 7.0 – 3.5A	100 – 240 V, 50/60 HZ, 7.0 – 3.5A	-40.5 V (DC) to -57 V (DC)
Power Consumption (AVG)	56 W	121 W	152 W	200 W	148 W
Heat Dissipation	190.4 BTU	304 BTU	519 BTU	868 BTU	610 BTU
Operating Temperature	32 – 104 deg F (0 – 40 deg C)	32 – 104 deg F (0 – 40 deg C)	50 – 95 deg F (10 – 35 deg C)	50 – 95 deg F (10 – 35 deg C)	32 – 104 deg F (0 – 40 deg C)
Storage Temperature	-13 to 158 deg F (-35 to 70 deg C)	-13 to 158 deg F (-35 to 70 deg C)	-40 – 149 deg F (-40 – 65 deg C)	-40 – 149 deg F (-40 – 65 deg C)	-31 to 158 deg F (-35 to 70 deg C)
Humidity	5 to 95% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing	20 to 90% non-condensing
<b>Compliance</b>					
	FCC Class A Part 15, CE Mark	FCC Class A Part 15, UL/ CUL, C Tick, VCCI	FCC Class A, UL/CB/ CUL, C Tick, VCCI, US EPA Energy Star Compliant	FCC Class A, UL/CB/ CUL, C Tick, VCCI, US EPA Energy Star Compliant	FCC Class A Part 15, UL/ CB/CUL, C Tick, VCCI
<b>Certifications</b>					
	VBSpam Platinum, Common Criteria EAL 2+, FIPS 140-2 Validation				

FortiMail Virtual Appliances	FortiMail-VM01	FortiMail-VM02
<b>Technical Specifications</b>		
Hypervisors Supported	VMware ESXi/ESX/4.0/4.1	VMware ESXi/ESX/4.0/4.1
Max vCPUs Supported	1	2
Max vNICs	4	4
Virtual Machine Storage (Min / Max)	50 GB / 1 TB	50 GB / 1 TB
Virtual Machine Memory Required (Min / Max)	1 GB / 2 GB	1 GB / 4 GB
<b>System Performance</b>		
Email Routing	90,000	265,000
FortiGuard Antispam	85,000	234,000
FortiGuard Antispam / Antivirus	77,000	185,400
<b>System Specifications</b>		
Email Domains	50	500
Recipient-based policies (Domain / System)	60 / 300	600 / 3000
Server Mode Mailboxes	200	1000
Profiles (Domain / System)	50 / 60	50 / 200
Unlimited User License	Yes	Yes

#### GLOBAL HEADQUARTERS

Fortinet Incorporated  
1090 Kifer Road, Sunnyvale, CA 94086 USA  
Tel +1.408.235.7700  
Fax +1.408.235.7737  
www.fortinet.com/sales

#### EMEA SALES OFFICE – FRANCE

Fortinet Incorporated  
120 rue Albert Caquot  
06560, Sophia Antipolis, France  
Tel +33.4.8987.0510  
Fax +33.4.8987.0501

#### APAC SALES OFFICE – SINGAPORE

Fortinet Incorporated  
300 Beach Road 20-01, The Concourse  
Singapore 199555  
Tel: +65-6513-3730  
Fax: +65-6223-6784

