DATASHEET

FortiMail™

Comprehensive Messaging Security

Proven Security

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

Intelligent Protection

FortiMail prevents your messaging systems from becoming threat delivery systems. Its inbound filtering engine blocks spam and malware before it can clog your network and affect users. Its outbound inspection technology prevents other antispam gateways from blacklisting your users by blocking outbound spam and malware, including mobile traffic. FortiMail dynamic and static user-blocking gives you granular control over all of your email policies and users.

Enforce secure content delivery with FortiMail Identity-Based Encryption (IBE), S/MIME, or TLS email encryption options. Prevent accidental and intentional loss of confidential data using FortiMail predefined or customized dictionaries.

High Performance and Unmatched Flexibility

FortiMail appliances provide high-performance email routing and security by utilizing multiple high-accuracy antispam filters. When coupled with industry leading real-time antivirus and antispyware protection from FortiGuard Services, FortiMail provides you with extremely fast and accurate messaging security that won't affect end users or delay their communications. Deploy messaging security in the mode that best suits your environment and users with FortiMail's unmatched flexibility.

Comprehensive Messaging Security

- ✓ Inspect more than 2 million emails per hour
- ✓ Unmatched deployment flexibility
- ✓ Apply Identity-Based Encryption in both push and pull methods
- ✓ Use customized and predefined dictionaries to prevent data loss
- ✓ Enforce email and security policies at a granular level
- ✓ Receive real-time security updates from FortiGuard® Services

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FIPS VALIDATED 140-2

Features	Benefits
Deploy appliances or virtual appliances in Transparent, Gateway, or Server modes	All email servers on the market deploy in Server mode, some offering a Gateway mode option. Fortinet is the only vendor to offer Transparent mode, enabling FortiMail to intercept emails without changing DNS MX records, or existing email server network configurations.
Apply Identity-Based Encryption in both push and pull methods	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.
Data Loss Prevention and Compliance	Detect accidental or intentional loss of confidential or regulated data. Achieve PCI-DSS or HIPAA compliance by blocking messages containing defined data patterns, or creating policies to enforce encryption of certain emails.
Identify and Block Spamming Endpoints	Prevent blacklisting of legitimate subscribers by identifying and blocking endpoints sending spam, including Smart phones. Ideal for Carriers and Service Providers.
No per-user or per-mailbox pricing	Complete, multi-layered antivirus, antispam, antispyware and anti-phishing protection for an unlimited number of users. Greatly reduces TCO.

SYSTEM

- Transparent, Gateway and Server Mode Deployment Options
- Flexible Interface Configuration Including VLAN and Redundant Interface Support
- Inbound And Outbound Inspection
- Multiple Email Domains With Domain Level Customization
- IPv6 And IPv4 Address Support
- Virtual Hosting Using Source and, or Destination IP Address Pools
- Policy Based Mail Archiving With Remote Storage Options
- SMTP Authentication Support Via LDAP, RADIUS, POP3 And IMAP
- LDAP-Based Email Routing
- Per User Inspection Using LDAP Attributes on a Per Policy (Domain) Basis
- Comprehensive Webmail Interface for Server Mode Deployments and Quarantine Management
- Mail Queue Management
- Multiple Language Support For Webmail And Admin Interface
- Email Validation
- Maintains Local Sender Reputation List Based on:
  - Sender Policy Framework (SPF)
  - Domain Keys Identified Mail (DKIM)

MANAGEMENT, LOGGING, AND REPORTING

- QuickStart Setup Wizard
- Basic / Advanced Management Modes
- Role Based Administration Accounts Per Domain
- Comprehensive activity and incident logging and reporting
- Configuration Change and Management Event Logging
- Built-in Reporting module
- FortiManager and FortiAnalyzer Support for Central Management and Reporting
- Centralised Quarantine for large scale deployments
- SNMP Support Using Standard and Private MIB with Threshold Based Traps
- External or Local Storage Server Support, Including iSCSI devices
- External Syslog support

HIGH AVAILABILITY (HA)

- Supported in all Modes
- Active-Passive Mode
- Configuration Synchronization Mode (Configuration Master and Slave Mode)
- Quarantine and Mail Queue Synchronization
- Device Failure Detection and Notification
- Link Status, Failover and Redundant Interface Support

ANTISPAM PROFILE

- FortiGuard Antispam Service
  - Global Sender Reputation
  - Spam and phishing URIs and email addresses
  - Spam Object checksums
  - Dynamic Heuristic Rules
- Greylisting for IPv4, IPv6 addresses and email accounts
- Local Sender Reputation (IPv4, IPv6 and End Point ID based)
- Deep Email Header Inspection
- Flexible Action and Notification Profiles
- Third party Spam URI and Real Time Blacklists (SURBL/RBL)
- Quarantining, tagging and end user reporting
- PDF Scanning and Image Analysis
- Black/White Lists at Global, Domain, and User levels.
- Bayesian Statistic Filtering

ANTIVIRUS

- FortiGuard Antivirus Service
- Quarantine, Repackage, Replace, and Monitor Actions
- Nested Archive Scanning
- Malware Detection

CONTENT BASED PROTECTION

- Dictionary based filtering in inbound or outbound direction
- Filter by Attachment File Type
- Banned Word Filtering

DENIAL-OF-SERVICE PROTECTION

- Inbound and Outbound Message Rate Limiting
- Recipient Address Attack
- 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

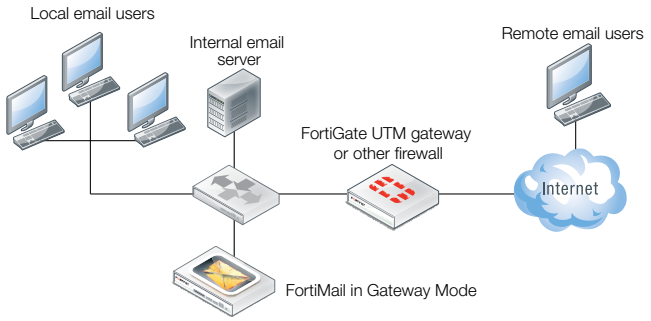
SERVER MODE SPECIFIC FEATURES

- SMTP, IMAP, and POP3 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
- WebMail Calendar
- Email Auto Reply and Forwarding Preference
- Address Book Synchronize with LDAP

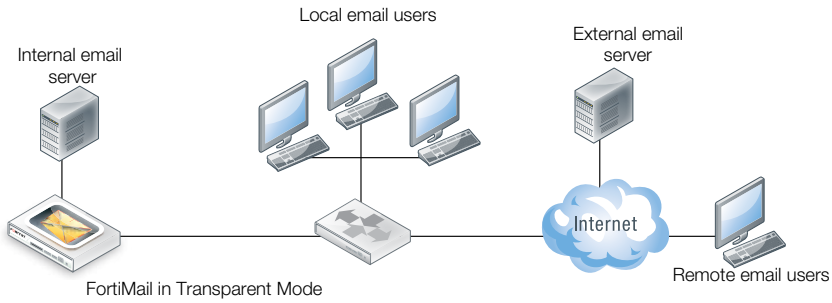
FortiMail Deployment Options

Choose from three modes of deployment – Transparent, Gateway, or Sever mode – to meet your specific messaging security requirements, while minimizing infrastructure changes and service disruptions:

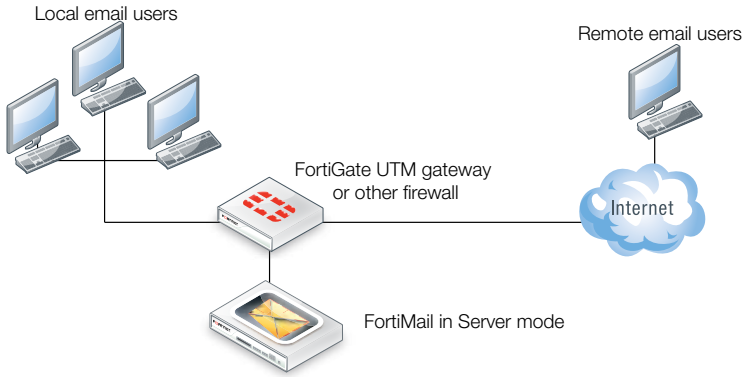
- **Gateway Mode**: Provides inbound and outbound proxy mail transfer agent (MTA) services for existing email gateways. A simple DNS MX record change redirects email to FortiMail for antispam and antivirus scanning. The FortiMail device receives messages, scans for viruses and spam, then relays email 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 address is not the FortiMail appliance. FortiMail scans for viruses and spam, then transmits email to the destination email server for delivery. This eliminates the need to change the DNS MX record, or to change the existing email server network configuration.

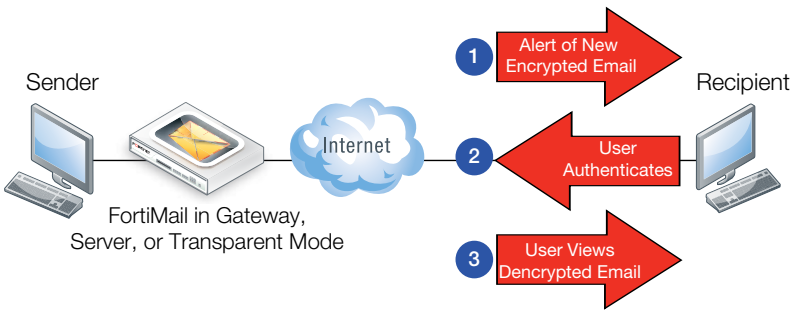


- **Server Mode**: The FortiMail device acts as a stand-alone messaging server with full SMTP email server functionality, including flexible support for secure POP3, IMAP and WebMail access. FortiMail scans email for viruses and spam before delivery. As in Server mode, external MTAs connect to FortiMail, allowing it to function as a protected server.



Identity Based Encryption (IBE)

IBE allows FortiMail to deliver confidential and regulated email securely – without requiring additional hardware, software user provisioning, or extra license fees. Use IBE to eliminate paper-based communications and reduce costs.



- **Policy-Based Encryption**: 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**: Deploy IBE in any mode, including Transparent mode, without user provisioning or additional hardware or software.

Technical Specifications	FortiMail-200D	FortiMail-400C	FortiMail-2000B	FortiMail-3000C	FortiMail-5002B
Hardware Specifications					
10/100 Interfaces (Copper, RJ-45)	0	0	0	0	0
10/100/1000 Interfaces (Copper, RJ-45)	4	4	6	4	3
SFP Gigabit Ethernet Interface	0	0	0	2	0
Internal Backplane Base / Fabric Channel Interfaces	0	0	0	0	2 / 2
Redundant Hot Swappable Power Supplies	No	No	Yes	Yes	N/A
Storage	1 TB	2 x 1 TB	2 x 1 TB (6 TB Optional)	2 x 1 TB (6 TB Optional)	1x 146GB HDD (RTM Module included)
RAID Storage Management	No	Software: 0, 1	Hardware: 1, 5, 10, 50, Hot Spare (Based on Drive Count)	Hardware: 1, 5, 10, 50, Hot Spare (Based on Drive Count)	No
Form Factor	Rack Mount Appliance	Rack Mount Appliance	Rack Mount Appliance	Rack Mount Appliance	ATCA Chassis
System Specifications					
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
Performance (Messages/Hour) [Without queuing based on 3 KB message size]					
Email Routing	200,000	400,000	1.5 Million	2.0 Million	2.3 Million
FortiGuard Antispam	180,000	350,000	1.3 Million	1.8 Million	2.2 Million
FortiGuard Antispam + Antivirus	175,000	320,000	1.2 Million	1.6 Million	2.0 Million
Dimensions					
Height x Width x Length (in)	1.75 x 17.05 x 13.86 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 11.0 x 12.2 in
Height x Width x Length (cm)	4.5 x 43.3 x 35.2 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 32 x 38 cm
Weight	13.4 lbs (6.98 kg)	10 lb (4.5 kg)	57.5 lb (26.1 kg)	57.5 lb (26.1 kg)	5.9 lb (2.68 kg)
Environment					
Power Required	100-240V AC	100-240 VAC, 50-60 Hz, 4.0 Amp	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)	60 W	181 W	152 W	200 W	148 W
Heat Dissipation	205 BTU/h	620 BTU/h	519 BTU/h	868 BTU/h	610 BTU/h
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 – 131 deg F (0 – 55 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)	-40 to 158 deg F (-40 to 70 deg C)
Humidity	5 to 95% non-condensing	10 to 90% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing	5 to 93% non-condensing
Compliance					
	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
Certifications					
	VBSpam Platinum	VBSpam Platinum, Common Criteria EAL 2+, FIPS 140-2 Validation			VBSpam Platinum, FCC 47 CFR Part15, Class A, CE, UL60950-1/CSAC22.2

FortiMail Virtual Appliances	VM01	VM02	VM04	VM08
Technical Specifications				
Hypervisors Supported	VMware ESXi/ESX/4.0/4.1/5.0			
Max vCPUs Supported	1	2	4	8
Max vNICs	4	4	4	4
Virtual Machine Storage(Min / Max)	50 GB / 1 TB	50 GB / 1 TB	50 GB / 2 TB	50 GB / 2 TB
Virtual Machine Memory Required (Min / Max)	1 GB / 2 GB	1 GB / 4 GB	1 GB / 6 GB	1 GB / 12 GB
System Performance				
Email Routing	90, 000	265, 000	1.32 Million	1.76 Million
FortiGuard Antispam	85, 000	234, 000	1.14 Million	1.58 Million
FortiGuard Antispam / Antivirus	77, 000	185, 400	1.05 Million	1.40 Million

FortiMail Virtual Appliances	VM01	VM02	VM04	VM08
System Specifications				
Email Domains	50	500	5,000	5, 000
Recipient-based policies (Domain / System)	60 / 300	600 / 3000	1,500 / 7,500	1,500 / 7,500
Server Mode Mailboxes	200	1000	3, 000	3, 000
Profiles (Domain / System)	50 / 60	50 / 200	50 / 600	50 / 600
Unlimited User License	Yes	Yes	Yes	Yes

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