



DATASHEET

# FortiManager™ Appliances

## Centralized Management for Fortinet Security Networks

### Take Control of Your Security Infrastructure

FortiManager centralized management appliances deliver the essential tools needed to effectively manage your Fortinet-based security infrastructure. Whether deploying several or thousands of new devices and agents, distributing updates, or installing security policies across managed assets, FortiManager appliances drastically reduce management costs and overhead. Device discovery, group management, auditing facilities, and the ability to manage complex mesh and star VPN environments are just a few of the time-saving features that FortiManager appliances offer. Complemented by the FortiAnalyzer™ centralized logging and reporting appliance, FortiManager provides a comprehensive and powerful centralized management solution for your organization.

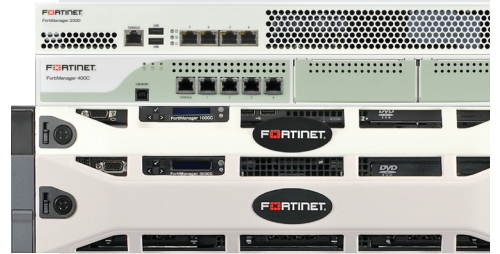
### Be The Master of Your Domain

FortiManager appliances scale to manage thousands of Fortinet devices and agents. Groups of devices and agents, along with their administrators, form the FortiManager concept of Administration Domains (ADOMs). Within an ADOM, an administrator has the ability to create policy packages, folders, and objects which can be shared between all the FortiGate devices in the local ADOM. In the Global ADOM of FortiManager, global policies and objects can also be assigned and applied to sub ADOMs. Whether you are managing one or one thousand ADOMs, FortiManager appliances always provide effective and efficient management of your Fortinet assets.

### Fortinet's Integrated Management Solution

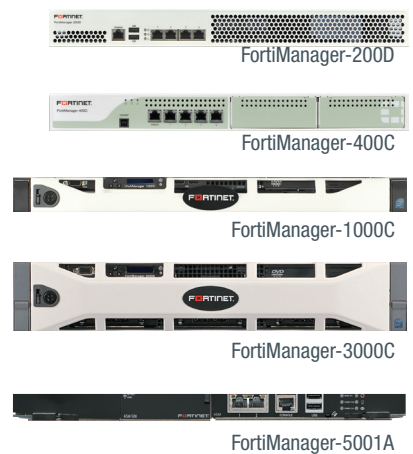
FortiManager appliances provide you with a secure web-based interface for the command and control of your Fortinet security infrastructure. FortiManager appliances also provide centralized policy-based provisioning, configuration, and update management for FortiGate, FortiWiFi, and FortiMail appliances, as well as FortiClient endpoint security agents. Finally, FortiManager includes real-time monitoring capabilities for added visibility.

To complete your centralized management solution, FortiManager compliments our FortiAnalyzer appliances. These appliances provide in-depth discovery, analysis, prioritization, and reporting of the security events detected within your environment. Together, the FortiManager and FortiAnalyzer systems form a comprehensive and enterprise-class management solution.



### Features Benefits

<b>Combined Management Modes</b>	The new combined mode provides a united workflow that is suitable for users of either mode. We offer this combined management mode for increased flexibility and scalability.
<b>Hierarchical Objects Database</b>	Facilitates reuse of common configurations across the organization in both local and global ADOM levels.
<b>Appliance-Based Centralized Management</b>	Simplifies the deployment and maintenance associated with the central management solution by eliminating third-party operating systems and hardware requirements.
<b>Automated Device Provisioning / Centralized Policy Configuration</b>	Reduces cost of deploying new FortiGate or FortiClient installations and maintains policies across all managed assets.
<b>Role-Based Administration</b>	Enables distributed administration, an important requirement for larger organizations.
<b>Policy/Device Auditing</b>	Allows you to prove compliance, and track any deviations from the required security policy.
<b>Web Portal SDK</b>	JSON-based API allows MSSPs to offer administrative web portals to customers.
<b>FortiManager XML API</b>	The FortiManager XML API is a Web Services interface that enables customers to integrate with provisioning systems and automate the configuration of the many devices that FortiManager is capable of managing.



FortiManager Virtual Appliance

## Administrative Domains (ADOMs)

Enables the primary 'admin' to create groups of devices for other administrators to monitor and manage:

- Administrators can manage devices in their geographic location or business division
- FortiGate devices with multiple VDOMs can be divided among multiple ADOMs
- Administrative users can only access devices or VDOMs assigned to them
- The primary admin can access all administrative domains and devices

## Hierarchical Objects Database

There are two levels of centralized repositories within FortiManager that house the configuration details of various assets:

- Create device configuration templates to quickly configure a new Fortinet appliance
- Within each ADOM, there is a common database of objects shared by all devices and policy packages allowing users to reuse similar configurations among a group of managed assets
- Using the included Global Policy feature, a global ADOM can have a global policy and a global database common to all ADOMs in the system

## Web Portal SDK

Designed for multi-tenancy applications within a single management platform:

- JSON-based API allows MSSPs to offer administrative web portals to customers
- Provides an administrative web portal for customers who require some degree of control over their network security management
- Enables MSSP customers to manage their own SSL-VPN user list and Web Filtering URL filters and categories
- If configured, customers can also view the firewall policies for their FortiGate device or VDOM

## Locally Hosted Security Content

Hosting security content locally allows the administrator greater control over security content updates and provides improved response time for rating databases. Includes support for:

- Antivirus definition updates
- Intrusion Prevention updates
- Vulnerability and Compliance Management updates
- Web Filtering (select systems)
- Antispam (select systems)

## Unified Management Model

Single, united workflow enables configuration of multiple management components per ADOM:

- Objects and Dynamic Objects
- Import and VPN Wizards
- Device Settings Management including Device Summary & Status, VDOM Synchronization, GUI-based Scripts

## FortiManager XML API

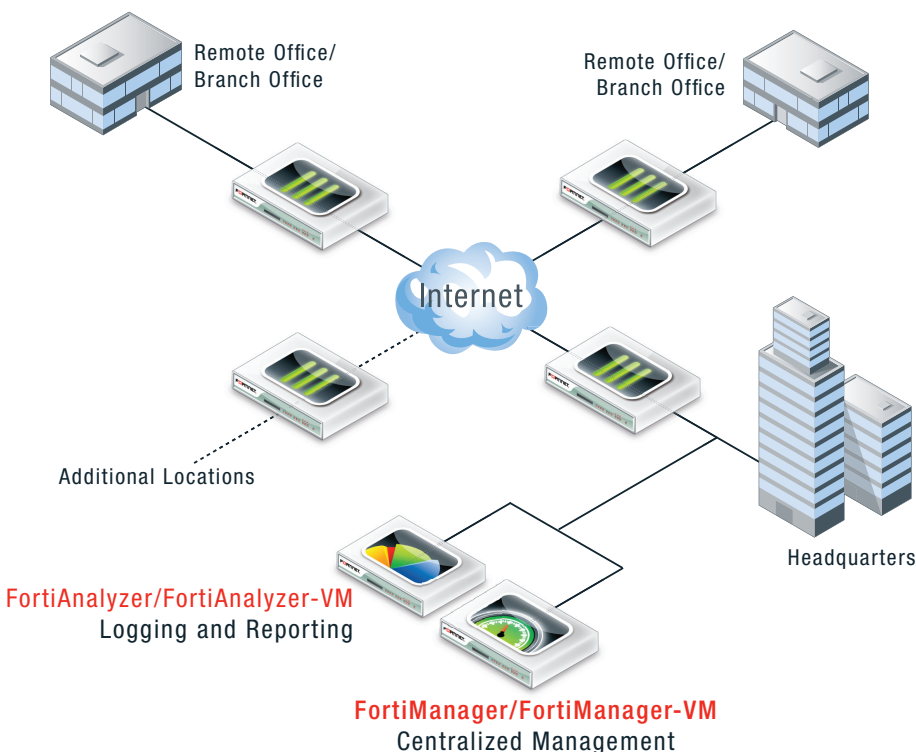
The FortiManager XML API is a Web Services interface used to facilitate automation:

- Private/Public Cloud customers can integrate with provisioning systems.
- Configure managed FortiGate devices through a Web Services interface.
- Obtain information, create and run FortiOS CLI scripts on the FortiManager database, and then install the changes on FortiGate units.

## Global Policy

Protect policies by allowing creation of global policy header and footer packages:

- Allows policies to be applied universally to all ADOMs and VDOMs
- Enables service provider administrators to support complex installations requiring customers to pass traffic through the service provider network



Technical Specifications FortiManager Appliances	FortiManager-200D	FortiManager-400C	FortiManager-1000C	FortiManager-3000C	FortiManager-5001A
<b>Capacity</b>					
Licensed Network Devices <sup>1</sup> (Max)	30	300	800	5,000	4,000
Administration Domains (ADOMs)	30	300	800	5,000	4,000
Administrative Web Portals	–	–	800	5,000	4,000
Web Portal Users (Max)	–	–	800	5,000	4,000
Global Policy (Included)	Yes	Yes	Yes	Yes	Yes
<b>Hardware</b>					
Hardware Form Factor	Desktop	Rack Mount (1-RU)	Rack Mount (1-RU)	Rack Mount (2-RU)	ATCA Blade
10/100/1000 Ethernet (Base-T)	4	4	4	4	2
Console Port	RJ45	RJ45	DB-9	DB-9	DB-9
LCD Display	No	No	Yes	Yes	No
Disk Storage Capacity	1 TB	1 TB	2 TB	4 TB	80 GB
High Availability Support	Yes	Yes	Yes	Yes	Yes
Hot-swappable Power Supplies	–	–	–	Yes	Yes (Built into chassis)
<b>Dimensions</b>					
Height	1.75 in (4.5 cm)	1.7 in (4.4 cm)	1.69 in (4.30 cm)	3.5 in (8.9 cm)	1.18 in (3.0 cm)
Width	17.05 in (43.3 cm)	17.1 in (43.5 cm)	17.09 in (43.4 cm)	17.5 in (44.5 cm)	14 in (35.5 cm)
Length	13.86 in (35.2 cm)	14.3 in (36.4 cm)	24.69 in (62.71 cm)	29.0 in (73.7 cm)	12.2 in (31.0 cm)
Weight	13.4 lb (6.08 kg)	14.7 lb (6.7 kg)	24.2 lb (11 kg)	63 lb (28.6 kg)	8 lb (3.63 kg)
<b>Environment</b>					
Power Required	100 – 240 VAC 50 – 60 Hz, 0.8 Amp (Max)	100 – 240 VAC 50 – 60 Hz, 4.0 Amp (Max)	100 – 240 VAC 50 – 60 Hz, 7.0 Amp (Max)	100 – 240 VAC 50 – 60 Hz, 9.0 Amp (Max)	DC powered from system chassis
Power Consumption (AVG)	60 W	100 W	189 W	200 W	148 W
Heat Dissipation	205 BTU/h	411 BTU/h	644 BTU/h	868 BTU/h	505 BTU/h
Operating Temperature	32 – 104 deg F (0 – 40 deg C)				
Storage Temperature	-13 – 158 deg F (-25 – 70 deg C)				
Humidity	5 to 95% non-condensing				
<b>Certifications</b>					
Safety Certifications	FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI, CE				

Technical Specifications FMG Virtual Appliances	FMG-VM-Base	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG	FMG-VM-U-UG
<b>Capacity</b>						
Licensed Network Devices <sup>1,2</sup> (Max)	10	+10	+100	+1,000	+5,000	Unlimited <sup>2</sup>
Administration Domains (ADOMs)	10	+10	+100	+1,000	+5,000	Unlimited <sup>2</sup>
Administrative Web Portals	10	+10	+100	+1,000	+5,000	Unlimited <sup>2</sup>
Web Portal Users (Max)	10	+10	+100	+1,000	+5,000	Unlimited <sup>2</sup>
Model Restrictions	None	None	None	None	None	None
<b>Virtual Machine</b>						
Hypervisors Supported	VMware ESXi / ESX 3.5 / 4.0 / 4.1 / 5.0					
Virtual Machine Form Factor	Open Virtualization Format (OVF)					
vCPUs (Max/Min)	1/Unlimited					
Network Interface Support (Min / Max)	1 / 4					
Memory Support (Min / Max)	80 GB / 2 TB					
Virtual Machine Memory Required (Mini/Max)	1,024 MB/4,096 MB for 32-Bit and 1,024 MB/Unlimited for 64-bit					
High Availability Support	Yes					

<sup>1</sup> Each Virtual Domain (VDOM) operating on a physical device counts as one (1) licensed network device.

<sup>2</sup> Limited in software to 10,000 devices, ADOMs, Web Portals, and Web Portal users.

## Command and Control

- Manage devices and endpoint agents individually or as logical groups
- Discover new devices automatically
- Create, deploy, and monitor virtual private networks
- Delegate control to other users with distributed administration features
- Audit configuration changes to ensure compliance

## Manage Updates

- Simplify the ongoing maintenance of your Fortinet-based security infrastructure by scheduling device updates

## Monitor, Analyze and Report

- Access vital security and network statistics
- Combine with a FortiAnalyzer appliance for additional data mining and graphical reporting capabilities

## FortiManager Supported Devices and Agents

- **FortiGate** and **FortiCarrier** Consolidated Security Appliances
- **FortiClient** Endpoint Software
- **FortiMail** Messaging Security Appliances
- **FortiAnalyzer** Analysis and Reporting Appliances
- **FortiSwitch** Switching Platforms

FortManager Features									
	Add-Ons		Locally Hosted Security Content					Misc. Features	
	Global Policies	Web Portal SDK	Antivirus	Intrusion Prevention	Vulnerability Management	Web Filtering	Antispam Databases	Shelf Manager	(VM Activation) Closed Network Mode
FortiManager-200D	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No
FortiManager-400C	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No
FortiManager-1000C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-3000C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-5001A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-VM5K (4.2)	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No
FortiManager-VM Base (4.3)	Yes	Yes	Yes	Yes	Yes	No	No	No	No
FortiManager-VM Base + FMG-VM-10-UG	Yes	Yes	Yes	Yes	Yes	No	No	No	No
FortiManager-VM Base + FMG-VM-100-UG	Yes	Yes	Yes	Yes	Yes	No	No	No	No
FortiManager-VM Base + FMG-VM-1000-UG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-VM Base + FMG-VM-5000-UG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-VM Base + FMG-VM-U-UG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Ordering Information - Additional FortiManager Items	
Product SKU	Description
FMG-WP	Adds Web Portal SDK Functionality to FortiManager (valid on FortiManager-1000C, FortiManager-3000C, FortiManager-5001A and FortiManager-VM)

Ordering Information - FortManager Virtual Appliances		
Product SKU	Licensed Network Devices (Max)	Description <sup>4</sup>
Built-in Evaluation	10	Built-in 15-day EVAL License, no activation required.
Full Evaluation (60-days)	10,000	EVAL License. License and activation required.
FMG-VM-Base	10	Base SKU supports 10 devices and ADOMs/WP/WPusers. Global Policy included.
FMG-VM-10-UG	+10	Adds 10 devices and ADOMs/WP/WPusers.
FMG-VM-100-UG	+100	Adds 100 devices and ADOMs/WP/WPusers.
FMG-VM-1000-UG	+1,000	Adds 1,000 devices and ADOMs/WP/WPusers.
FMG-VM-5000-UG	+5,000	Adds 5,000 devices and ADOMs/WP/WPusers.
FMG-VM-U-UG	Unlimited <sup>5</sup>	Unlimited license.

<sup>4</sup> Unlimited virtual CPU's. Memory is not restricted up to the operating system limit of 4GB(32-bit)/Unlimited(64-bit) <sup>5</sup> Limited in software to 10,000 devices ,ADOMs, Web Portals, and Web Portal users.

**FortiGuard® Security Subscription Services** deliver dynamic, automated updates for Fortinet products. The Fortinet Global Security Research Team creates these updates to ensure up-to-date protection against sophisticated threats. Subscriptions include antivirus, intrusion prevention, web filtering, antispam, vulnerability management, application control and database security services.

**FortiCare™ Support Services** provide global support for all Fortinet products and services. FortiCare support enables your Fortinet products to perform optimally. Support plans start with 8x5 Enhanced Support with “return and replace” hardware replacement or 24x7 Comprehensive Support with advanced replacement. Options include Premium Support, Premium RMA, and Professional Services. All hardware products include a 1-year limited hardware warranty and 90-day limited software warranty.

#### 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: +65-6513-3734  
Fax: +65-6295-0015



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