

# 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, the FortiManager appliance is 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
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<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 maintain 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 to 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-100C



FortiManager-400B



FortiManager-1000C



FortiManager-3000C



FortiManager-5001A



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
- Licenses are available for configuring up to 1000 ADOMs

## 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 Global Policy add-on license, 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

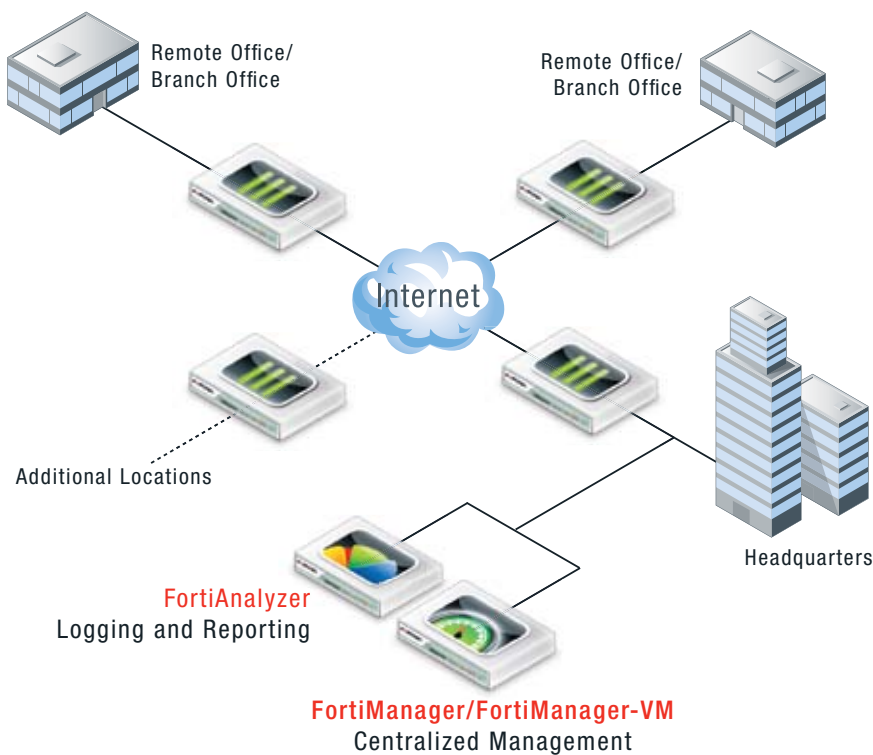
The FortiManager XML API is a Web Services interface used to facilitate automation.

- 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 Add-ons

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-100C	FortiManager-400B	FortiManager-1000C	FortiManager-3000C	FortiManager-5001A
<b>Capacity</b>					
Licensed Network Devices <sup>1</sup> (Max)	20	200	800	5,000	4,000
FortiClient Agents (Max)	2,500	10,000	25,000	120,000	100,000
Administration Domains (ADOMs)/Max	10/10	10/50	50/100	200/500	100/200
Administrative Web Portals	–	–	50	100	100
Web Portal Users (Max)	–	–	500	4,000	4,000
<b>Hardware</b>					
Hardware Form Factor	Desktop	Rack Mount (1-RU)	Rack Mount (1-RU)	Rack Mount (2-RU)	ATCA Blade
10/100 Ethernet (Base-T)	1	–	–	–	–
10/100/1000 Ethernet (Base-T)	2	4	4	4	2
RS-232 Console Port	Yes	Yes	Yes	Yes	Yes
LCD Display	No	No	Yes	Yes	No
Disk Storage Capacity	1 TB	500 GB	1 TB	2 TB	80 GB
High Availability Support	Yes	Yes	Yes	Yes	Yes
Hot-swappable Power Supplies	–	–	–	Yes	Yes (Built into chassis)
<b>Dimensions</b>					
Height	1.77 in (4.5 cm)	1.77 in (4.5 cm)	1.69 in (4.30 cm)	3.5 in (8.9 cm)	1.18 in (3.0 cm)
Width	10.79 in (27.4 cm)	17.25 in (43.8 cm)	17.09 in (43.4 cm)	17.5 in (44.5 cm)	14 in (35.5 cm)
Length	6.10 in (15.5 cm)	14.5 in (36.8 cm)	24.69 in (62.71 cm)	29.0 in (73.7 cm)	12.2 in (31.0 cm)
Weight	5.9 lb (2.66 kg)	10 lb (4.5 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)	56 W	121 W	189 W	200 W	148 W
Heat Dissipation	190 BTU	304 BTU	644 BTU	868 BTU	505 BTU
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				

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>
FortiClient Agents (Max)	2,500	2,500	10,000	25,000	120,000	120,000
Administration Domains (ADOMs)/Max	10/10	10/10	10/10	50/50	200/200	500/1000
Administrative Web Portals	10	10	10	50	100	100
Web Portal Users (Max)	200	200	200	500	5,000	10,000
Model Restrictions	None	None	None	None	None	None
<b>Virtual Machine</b>						
Hypervisors Supported	VMware ESXi / ESX 3.5 / 4.0 / 4.1					
Virtual Machine Form Factor	Open Virtualization Format (OVF)					
Max Virtual CPUs Supported	Unlimited					
Virtual NICs Required (Min/Max)	1 / 4					
Virtual Machine Storage Required (Min/Max)	80 GB / 2 TB					
Virtual Machine Memory Required (Mini/Max)	1,024 MB / 4,096 MB					
High Availability Support	Yes					

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

<sup>2</sup> Limited in software to 10,000 devices.

Note: Max values do not stack. Only the device count stacks.

## 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	Additional ADOM	Antivirus	Intrusion Prevention	Vulnerability Management	Web Filtering	Antispam Databases	Shelf Manager	(VM Activation) Closed Network Mode
FortiManager-100C	No	No	No	Yes	Yes	Yes	No	No	No	No
FortiManager-400C	No	No	Yes	Yes	Yes	Yes	No	No	No	No
FortiManager-1000C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-3000C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-5001A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-VM5K (4.2)	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No
FortiManager-VM Base (4.3)	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No
FortiManager-VM Base + FMG-VM-10-UG	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No
FortiManager-VM Base + FMG-VM-100-UG	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No
FortiManager-VM Base + FMG-VM-1000-UG	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-VM Base + FMG-VM-5000-UG	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-VM Base + FMG-VM-U-UG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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 (30-day)	5,000	EVAL License. License and activation required.
FMG-VM-Base	10	Base SKU supports 10 devices.
FMG-VM-10-UG	+10	Add 10 devices under management.
FMG-VM-100-UG	+100	Add 100 devices under management.
FMG-VM-1000-UG	+1,000	Add 1,000 devices under management.
FMG-VM-5000-UG	+5,000	Add 5,000 devices under management.
FMG-VM-U-UG	Unlimited <sup>5</sup>	Unlimited license.

<sup>4</sup> Unlimited virtual CPU's and memory is not restricted up to the operating system limit of 4 GB. <sup>5</sup> Limited in software to 10,000 devices.

Ordering Information - Additional FortManager Items		
Product SKU	Licensed Administration Domains	Description
FMG-ADOM-50	11-50	Increases ADOMs from 11-50 (only valid on FortiManager-400C)
FMG-ADOM-100	51-100	Increases ADOMs from 51-100 (only valid on FortiManager-1000C)
FMG-ADOM-200	101-200	Increases ADOMs from 101-200 (only valid on FortiManager-5001A)
FMG-ADOM-500	201-500	Increases ADOMs from 201-500 (only valid on FortiManager-3000C)
FMG-ADOM-11-1000	11-1000	Increases ADOMs to 1000 (only valid on FortiManager-VM Unlimited)
Product SKU	Description	
FMG-GP-1000	Adds Global Policy Functionality to FortiManager-1000	
FMG-GP-3000	Adds Global Policy Functionality to FortiManager-3000	
FMG-GP-5001	Adds Global Policy Functionality to FortiManager-5001	
FMG-GP-VM	Adds Global Policy Functionality to FortiManager-VM (valid on all SKUs)	
FMG-WP	Adds Web Portal SDK Functionality to FortiManager (valid on FortiManager-1000, FortiManager-3000, FortiManager-5001 and FortiManager-VM [all SKUs])	

**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.



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