FORTINET

FortiManager™ Appliances
Centralized Security Management

Take Control of Your Security Infrastructure

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

Key Features & Benefits

Integrated FortiAnalyzer Logging	This allows for a tighter integration and correlation of events and policies. A consolidated platform allows customers to more easily deploy Fortinet management products.
Hierarchical Objects Database	Facilitates reuse of common configurations across the organization in both local and global ADOM levels.
Automated Device Provisioning / Centralized Policy Configuration	Reduces cost of deploying new FortiGate or FortiClient installations and maintains policies across all managed assets.
Role-Based Administration	Enables distributed administration, an important requirement for larger organizations.
Policy/Device Auditing	Allows you to prove compliance, and track any deviations from the required security policy.
Multi-frame Display	Single view of policies and objects.
Drag and Drop	Drag and Drop between frames for faster, more efficient policy building.
In-view Policy Object Editing	Faster rulebase editing without opening new windows or changing context.
Device Profiles	Aids in mass provisioning of managed devices.
XML API	Web Services interface that enables users to integrate with provisioning systems and automate the configuration of the many devices that FortiManager is capable of managing.
Web Portal API	JSON-based API allows MSSPs to offer administrative web portals to customers.

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, FortiSwitch, and FortiWifi appliances. Finally, FortiManager includes real-time monitoring and basic integrated reporting capabilities for added visibility.

For large-scale deployments requiring extensive reporting/analytics or high performance, Fortinet recommends standalone or multiple hierarchical 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.

For documentation and guidance on working with the FortiManager APIs, Fortinet recommends a Fortinet Developer Network subscription purchase.

FortiCare
Worldwide 24x7 Support
support.fortinet.com

FortiGuard
Threat Research & Response
www.fortiguard.com

Fortinet
Developer Network
Worldwide Developer Community

www.fortinet.com

Administrative Domains (ADOMs) and Global Policy

Enables a primary administrator to create groups of devices for other administrators to monitor and manage

- Administrators can manage devices in their geographic location or business division
- Multiple FortiGate virtual domains (VDOMs) can be divided among multiple ADOMs
- Granular permissions allow assigning ADOMs and policies to particular users
- Administrators can only access devices or VDOMs assigned to them
- 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), JSON and Web Services (XML) APIs

- Allow FortiManager integration 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.
- JSON-based API allows MSSPs to offer administrative web portals to customers
- 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

Remote Office/
Branch Office

Remote Office/
Branch Office

Internet

Additional Locations

FortiAnalyzer/FortiAnalyzer-VM
Logging and Reporting

FortiManager/FortiManager-VM
Centralized Management

Headquarters

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)

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
- Real-time monitoring and integrated basic reporting provide visibility into network and user activity.
- For more powerful analytics, combine with a FortiAnalyzer appliance for additional data mining and graphical reporting capabilities

FortiManager Supported Devices

- FortiGate and FortiCarrier Consolidated Security Appliances
- FortiAnalyzer Analysis and Reporting Appliances
- FortiSwitch Switching Platforms
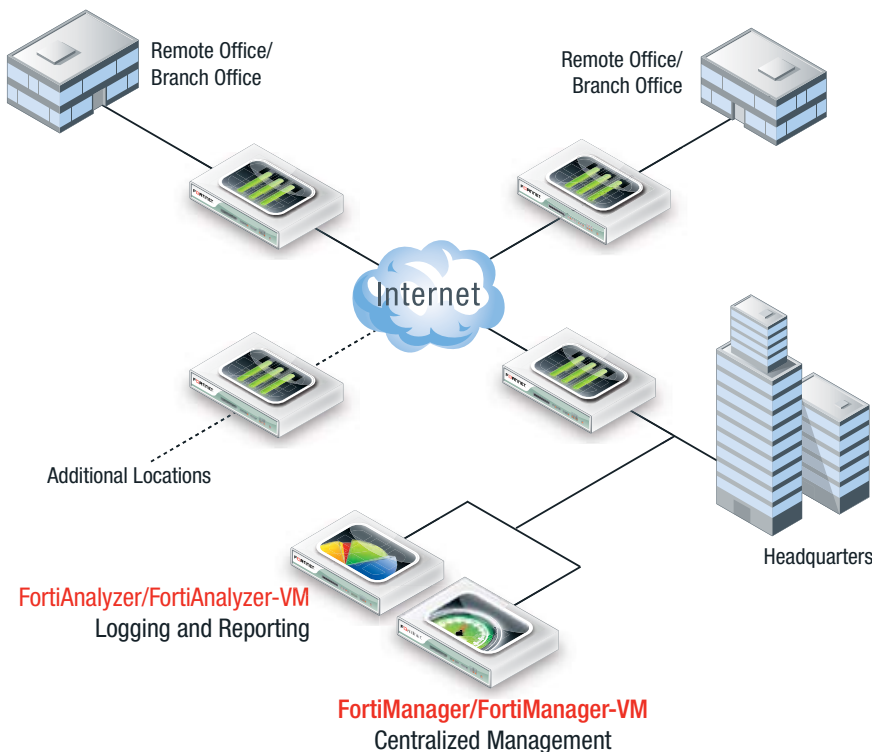
SPECIFICATIONS

FORTIMANAGER APPLIANCES	FORTIMANAGER-200D	FORTIMANAGER-300D	FORTIMANAGER-1000C	FORTIMANAGER-4000D	FORTIMANAGER-5001A
Capacity					
Licensed Network Devices[1] (Max)	30	300	800	4,000	4,000
Administration Domains (ADOMs)	30	300	800	4,000	4,000
Administrative Web Portals	–	–	800	4,000	4,000
Web Portal Users (Max)	–	–	800	4,000	4,000
Global Policy (Included)	Yes	Yes	Yes	Yes	Yes
GB/Day of Log	2	2	2	2	2
Hardware					
Hardware Form Factor	Desktop	Rack Mount (1-RU)	Rack Mount (1-RU)	Rack Mount (2-RU)	ATCA Blade
Total Interfaces	4x GbE	4x GbE	4x GbE	4x GbE, 2x GbE SFP	4x GbE
Console Port	RJ45	RJ45	DB-9	DB-9	DB-9
LCD Display	No	No	Yes	Yes	No
Number of Hard Drives	1	2	1 (4 Max)	8 (8 Max)	1
Removable Hard Drives	No	No	Yes	Yes	No
Storage Capacity	1 x 1 TB	2 x 2 TB (4 TB Max)	1 x 2 TB (8 TB Max)	8 x 2TB (16 TB Max)	80 GB
RAID Storage Management	No	Yes (0, 1)	No (Yes with Optional Drives 0, 1, 10)	Yes (0, 1, 5, 6, 10, 50, 60)	No
High Availability Support	Yes	Yes	Yes	Yes	Yes
Hot-swappable Power Supplies	No	No	No	Yes	Yes (Built into chassis)
Dimensions					
Height x Width x Length (in)	1.75 x 17.05 x 13.86 in	1.7 x 17.1 x 14.3 in	1.69 x 17.09 x 24.69 in	3.4 x 20 x 29.72 in	1.18 x 14.0 x 12.2 in
Height x Width x Length (cm)	4.5 x 43.3 x 35.2 cm	4.4 x 43.5 x 36.4 cm	4.30 x 43.4 x 62.71 cm	8.7 x 48.2 x 75.5 cm	3.0 x 35.5 x 31.0 cm
Weight	13.4 lbs (6.08 kg)	15.9 lbs (7.2 kg)	24.2 lbs (11 kg)	71.5 lbs (32.5 Kg)	8 lbs (3.63 kg)
Environment					
Power Required	100–240V AC 50–60 Hz, 0.8 Amp (Max)	100–240V AC 50–60 Hz, 4.0 Amp (Max)	100–240V AC 50–60 Hz, 7.0 Amp (Max)	100–240V AC 50–60 Hz, 10 Amp (Max)	DC powered from system chassis
Power Consumption (AVG)	60 W	162 W	189 W	393.6 W	148 W
Heat Dissipation	205 BTU/h	666 BTU/h	644 BTU/h	2153 BTU/h	505 BTU/h
Operating Temperature	32–104 °F (0–40 °C)	50–95 °F (10–35 °C)	32–95 °F (0–35 °C)	50-95 °F (10-35 °C)	32–104 °F (0–40 °C)
Storage Temperature	-13–158 °F (-25–70 °C)	-40–158 °F (-40–70 °C)	-40–149 °F (-40–65 °C)	-40–149 °F (-40–65 °C)	-13–158 °F (-25–70 °C)
Humidity	5 to 95% non-condensing	8 to 90% non-condensing	5 to 95% non-condensing	20 to 90% non-condensing	20 to 90% non-condensing
Compliance					
Safety Certifications	FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI, CE	FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI, CE	FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI, CE	FCC Part 15 Class A, C-Tick, VCCI, CE, BSMI, KC, UL/cUL, CB, GOST	FCC Part 15 Class A, C-Tick, VCCI, CE, BSMI, UL/cUL, CB

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
Capacity						
Licensed Network Devices[1,2] (Max)	10	+10	+100	+1,000	+5,000	Unlimited[2]
Administration Domains (ADOMs)	10	+10	+100	+1,000	+5,000	Unlimited[2]
Administrative Web Portals	10	+10	+100	+1,000	+5,000	Unlimited[2]
Web Portal Users (Max)	10	+10	+100	+1,000	+5,000	Unlimited[2]
GB/Day of Logs	1	2	5	10	25	50
Device Quota	100 GB	200 GB	1 TB	4 TB	8 TB	16 TB
Model Restrictions	None	None	None	None	None	None
Virtual Machine						
Hypervisor Support	VMware ESXi / ESX 4.0 / 4.1 / 5.0 / 5.1					
vCPU Support (Min/Max)	1 / Unlimited					
Network Interface Support (Min/Max)	1 / 4					
Storage Support (Min/Max)	80 GB / 16 TB					
Memory Support (Min/Max)	1 GB / 4 GB for 32-bit and 1 GB / Unlimited for 64-bit					
High Availability Support	Yes					

[1] Each Virtual Domain (VDOM) operating on a physical device counts as one (1) licensed network device.
[2] Limited in software to 10,000 devices ,ADOMs, Web Portals, and Web Portal users.

FortiManager-200D

FortiManager-1000C

FortiManager-5001A

FortiManager-300D

FortiManager-4000D

FortiManager Virtual Appliance

FEATURES

	LOCALLY HOSTED SECURITY CONTENT					MISCELLANEOUS FEATURES			
	Antivirus	Intrusion Prevention	Vulnerability Management	Web Filtering	Antispam Databases	Shelf Manager	(VM Activation) Closed Network Mode	Global Policies	Web Portal
FortiManager-200D	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
FortiManager-300D	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No
FortiManager-1000C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-4000D	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-5001A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FortiManager-VM Base	Yes	Yes	No	No	No	No	No	Yes	Yes
FortiManager-VM Base + FMG-VM-10-UG	Yes	Yes	Yes	No	No	No	No	Yes	Yes
FortiManager-VM Base + FMG-VM-100-UG	Yes	Yes	Yes	No	No	No	No	Yes	Yes
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

ADDITIONAL FORTIMANAGER ITEMS

SKU	Description
FC-10-FNDN1-139-02-12	Access for 1 user to Fortinet Developer Network

FORTIMANAGER VIRTUAL APPLIANCES

SKU	Licensed Network Devices (Max)	Description[3]
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 1,0000 devices and ADOMs/WP/WPusers.
FMG-VM-5000-UG	+5,000	Adds 5,000 devices and ADOMs/WP/WPusers.
FMG-VM-U-UG	Unlimited[4]	Unlimited license.

[3] Unlimited virtual CPU's. Memory is not restricted up to the operating system limit of 4GB (32-bit) / Unlimited (64-bit)
[4] 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.

Fortinet® Developer Network is subscription-based advanced support for Fortinet products, geared towards application and integration developers. This service covers advanced topics like the FortiManager™ Web Portal and XML APIs. Includes best practices, example code, and community-built management tools.

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