

DATA SHEET

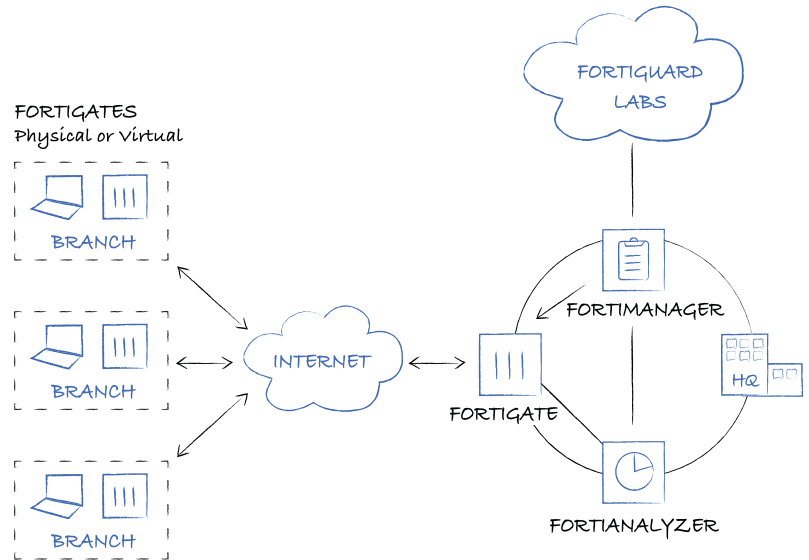
# FortiManager

Automation-Driven Centralized Management

Manage all your Fortinet devices in a **single-console** central management system.

FortiManager provides **full visibility** of your network, offering streamlined provisioning and innovative automation tools.

Integrated with **Fortinet's Security Fabric**, the security architecture and FortiManager's Automation Driven Network Operations capabilities provide a foundation to **secure and optimize network security**, such as provisioning and monitoring SD-WANs.



**Orchestrate** security devices and systems on-premise or in the cloud to streamline network provisioning, security policy updates & change management.



**Automate** your time-intensive processes and accelerate workflows to offload NOC-SOC, reduce administrative tasks and address talent shortages.



Optimize **Visibility** to the entire digital attack surface and awareness of increasing cyber threats from one centralized location, through accurate detection, automated correlation and rapid response features.

### Key Features

- Single console management**
  - Manage all Fortinet products, including firewalls, FortiAnalyzers, switches, wireless infrastructure and Endpoints
- Centralized policy and device management**
  - Centrally manage up to 100,000+ devices and policies such as firewalls, switches, and access points
- Zero-touch provisioning**
  - Automate workflows and configurations for Fortinet firewalls, switches and wireless infrastructure
- Secure SD-WAN provisioning and monitoring**
  - Provision and monitor Secure SD-WAN from one console across your network, branch offices or campuses
- Multi-tenancy and administrative domains (ADOMs)**
  - Separate customer data and manage domains leveraging ADOMs to be compliant and operationally effective
- Security automation**
  - Reduces complexity and costs by leveraging automated REST API, scripts, connectors, and automation stitches
- Enterprise-grade availability and integration**
  - Automated backups up to 4 nodes with streamlined software and security updates for all managed devices

## Highlights

### Single Pane Automation and Orchestration

Fortinet Security Fabric delivers sophisticated security management for unified, end-to-end protection. Deploying Fortinet-based security infrastructure to battle advanced threats, and adding FortiManager to provide single-pane-of-glass management across your entire extended enterprise provides insight into network-wide traffic and threats.

FortiManager offers enterprise-class features to contain advanced threats. FortiManager also delivers the industry's best scalability to manage up to 100,000 Fortinet devices. FortiManager, coupled with the FortiAnalyzer family of centralized logging and reporting appliances, provides a comprehensive and powerful centralized management solution for your organization.

### Central Management of Network Infrastructure

Centrally manage FortiGate, FortiSwitch, FortiExtender, FortiAP. The VPN manager simplifies the deployment and allows centrally-provisioned VPN community and monitoring of VPN connections on Google Map. FortiAP Manager allows configuring, deploying and monitoring FortiAPs from a single console with Google Map view. The FortiClient Manager allows centralized configuration, deployment and monitoring of FortiClients.

### Centralized SD-WAN Deployment & Monitoring

Powerful SD-WAN management capabilities by using templates. Enhanced SD-WAN monitoring for each SD-WAN link member with visibility of link status, application performance, bandwidth utilization. The SLA targets are included in performance monitoring graphs for each WAN provider.

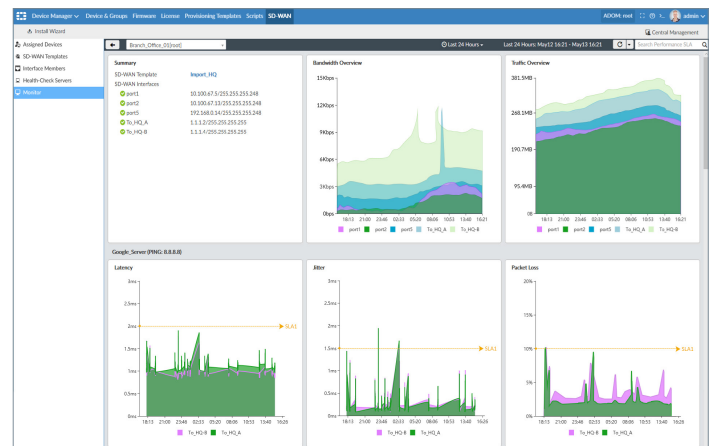
### Configuration and Settings Management

Collectively configure the device settings - using the provisioning templates and advance CLI templates improves management of a large number of devices. Automatic device configuration backup with revision control and change audit make it easier for daily administrative tasks.

### Security Policy Management

A set of commonly used security policies can be now grouped in a Policy Block and inserted as needed in different Policy Packages.

Global policy feature that allows companies such as: Telecom, MSSP, SAAS providers applies a header and/or footer policy at the ADOM level to all the policy packages or to a selection of packages, as needed.



### API for Automation and Orchestration

RESTful API allows MSSPs/large enterprises to create customized, branded web portals for policy and object administration. Automate common tasks such as provisioning new FortiGates and configuring existing devices. Join Fortinet Developer Network (FNDN) to access exclusive articles, how-to content for automation and customization, community-built tools, scripts and sample code.

### Multi-Tenancy & Role Based Administration

FortiManager equips admins with granular device and role based administration for deploying multi-tenancy architecture to large enterprises, with a hierarchical objects database to facilitate re-use of common configurations and serve multiple customers. The graphical interface makes it easy to view, create, clone and manage ADOMs. You can use ADOMs to manage independent security environments, each ADOM with its own security policies and configuration database. FortiManager enables you to group devices logically or geographically for flexible management, and the zero-touch deployment uses templates to provision devices for quick mass deployment and supports firmware version enforcement. Define global objects such as Firewall Objects, Policies and Security Profiles to share across multiple ADOMs. Granular permissions allow assigning ADOMs, devices and policies to users based on role and duties.

## Highlights

### Monitor and Report for Deep Visibility

Access vital security and network statistics, as well as real-time monitoring and integrated reporting provides visibility into network and user activity. For more powerful analytics, combine with a FortiAnalyzer appliance for additional data mining and graphical reporting capabilities.

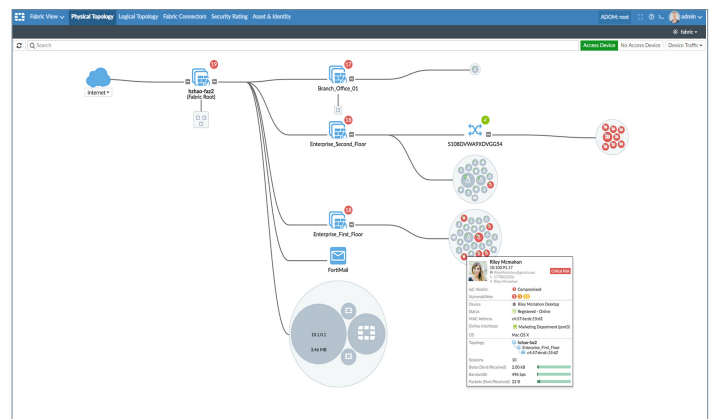
### Integration & Security Fabric

Integration with ITSM to mitigate security events and apply configuration changes and policy updates. Seamless integration with FortiAnalyzer appliances provides in-depth discovery, analysis, prioritization and reporting of network security events. Create fabric connectors to facilitate connections with third-party vendors via pxGrid , OCI, ESXi and others, to share and exchange data.

FortiManager's workflow for audit and compliance enables you to review, approve and audit policy changes from a central place, including automated processes to facilitate policy compliance, policy lifecycle management, and enforced workflow to reduce risk for policy changes.

### Network & Security Operations Visibility

Automated data exchanges between security (SOC) workflows and operational (NOC) workflows, creating a single, complete workflow that not only saves time, but also provides the capacity to complete additional incident response activities. FortiManager's NOC-SOC delivers advanced data visualization to help Analysts quickly connect dots and identify threats, simplifying how organizations deliver security and remediate breaches, data exfiltration, and compromised hosts.



## FortiManager VM

Fortinet offers the FortiManager VM in a stackable license model. This model allows you to expand your VM solution as your environment expands. Utilizing virtualization technology, FortiManager-VM is a software-based version of the FortiManager hardware appliance and is designed to run on many virtualization platforms. It offers all the features of the FortiManager hardware appliance.

The FortiManager virtual appliance family minimizes the effort required to monitor and maintain acceptable use policies, as well as identify attack patterns that can be used to fine tune the security policy, thwarting future attackers.

## Specifications

FORTIMANAGER VIRTUAL APPLIANCES	FMG-VM-BASE	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG
<b>Capacity</b>					
Devices/VDOMs (Maximum) <sup>1, 4</sup>	10	10 +	100 +	1,000 +	5,000 +
Storage Capacity	100 GB	200 GB	1 TB	4 TB	8 TB
GB/Day of Logs <sup>3</sup>	1	2	5	10	25
Chassis Management	✓	✓	✓	✓	✓
<b>Virtual Machine</b>					
Hypervisor Support	VMware ESX/ESXi 5.0/5.1/5.5/6.0/6.5/6.7, Microsoft Hyper-V 2008 R2/2012/2012 R2/2016, Citrix XenServer 6.0+ and Open Source Xen 4.1+, KVM on Redhat 6.5+ and Ubuntu 17.04, Nutanix AHV (AOS 5.10.5), Amazon Web Services (AWS), Microsoft Azure, Google Cloud (GCP), Oracle Cloud Infrastructure (OCI), Alibaba Cloud (AliCloud)				
vCPU Support (Minimum / Maximum)	2 / Unlimited				
Network Interface Support (Min / Max)	1 / 4				
Storage Support (Minimum / Maximum)	100 GB / 16 TB				
Memory Support (Minimum / Maximum)	4 GB / Unlimited for 64-bit				
High Availability Support	Yes				

1 Each Virtual Domain (VDOM) operating on a physical or virtual device counts as one (1) licensed network device 2 Limited in software to 10,000 devices/VDOMs 3 Storage Capacity and GB/Day of Logs are not stackable. These values represent the maximum available with purchased license. 4+Indicates Device Add-On License available

# Specifications



	FMG-200F	FMG-300F	FMG-1000F
<b>Capacity and Performance</b>			
Devices/VDOMs (Maximum) <sup>1</sup>	30	100	1000
Sustained Log Rates	50	50	50
GB/Day	2	2	2
<b>Hardware Specifications</b>			
Storage Capacity	8 TB (2 x 4 TB)	16 TB (4 x 4 TB)	32 TB (8x 4TB)
Usable Storage (after RAID)	4 TB	8 TB	24 TB
RAID Levels Supported	RAID 0/1	RAID 0/1/5/10	RAID 0/1/5/6/10/50/60
Default RAID Level	1	10	50
Hardware Form Factor	1 RU Rackmount	1 RU Rackmount	2 RU Rackmount
Total Interfaces	2xRJ45 GE, 2xSFP	4 x GbE RJ45, 2 x SFP	2x RJ45 10G ports, 2x SFP+ ports
Console Port	RJ45	RJ45	DB-9
Removable Hard Drives	No	✓	✓
Redundant Hot Swap Power Supplies	No	✓*	✓
Chassis Management	✓	✓	✓
<b>Dimensions</b>			
Height x Width x Length (inches)	1.75 x 17.0 x 15.0	1.75 x 17.44 x 22.16	3.5 x 17.2 x 25.6
Height x Width x Length (cm)	4.4 x 43.2 x 38	4.4 x 44.3 x 56.3	8.9 x 43.7 x 65.0
Weight	18.9 lbs (8.6 kg)	28.6 lbs (13.0 kg)	34 lbs (15.42 kg)
<b>Environment</b>			
AC Power Supply	100-240V 50-60 Hz	100-240V AC, 50-60 Hz	100-240V AC, 50-60 Hz
Power Consumption (Average / Maximum)	65W / 130W	108W / 186W	192.5W/275W
Heat Dissipation	445 BTU/h	634 BTU/h	920 BTU/h
Operating Temperature	32-104°F (0-40°C)	32-104°F (0-40°C)	50-95°F (10-35°C)
Storage Temperature	-31-158°F (-35-70°C)	-31-158°F (-35-70°C)	-40-140°F (-40-60°C)
Humidity	20 to 90% non-condensing	20 to 90% non-condensing	8-90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)
<b>Compliance</b>			
Safety Certifications	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB	FCC Part 15 Class A, C-Tick, VCCI, CE, BSMI, KC, UL/cUL, CB, GOST	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB

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

Global Policies and high availability support available on all models

\* Optional redundant AC power supply, not included

# Specifications



	FMG-2000E	FMG-3000F	FMG-3700F
<b>Capacity and Performance</b>			
Devices/VDOMs (Maximum) <sup>1,4</sup>	1,200	4,000+	10,000+
Sustained Log Rates	50	150	150
GB/Day	2	10	10
<b>Hardware Specifications</b>			
Storage Capacity	36 TB (12x 3 TB)	48 TB (16x 3 TB)	240 TB (60x 4 TB)
Usable Storage (after RAID)	30 TB	42 TB	216 TB
RAID Levels Supported	RAID 0/1/5/6/10/50/60	RAID 0/1/5/6/10/50/60	RAID 0/1/5/6/10/50/60
Default RAID Level	50	50	50
Hardware Form Factor	2 RU Rackmount	3 RU Rackmount	4 RU Rackmount
Total Interfaces	4x GE, 2x 10 GE SFP+	4x GE, 2x 10 GE SFP+	2x10GbE SFP+, 2x1GbE RJ-45
Console Port	DB-9	DB-9	DB9
Removable Hard Drives	✓	✓	✓
Redundant Hot Swap Power Supplies	✓	✓	✓
Chassis Management	✓	✓	✓
<b>Dimensions</b>			
Height x Width x Length (inches)	3.5 x 17.2 x 25.6	5.2 x 17.2 x 25.5	7 x 17.2 x 30.2
Height x Width x Length (cm)	8.9 x 43.7 x 64.8	13.2 x 43.7 x 64.8	17.8 x 43.7 x 76.7
Weight	58 lbs (26.3 kg)	76 lbs (34.5 kg)	120 lbs (54.6 kg)
<b>Environment</b>			
AC Power Supply	100–240V AC, 50–60 Hz	100–240V AC, 50–60 Hz	100–240V AC, 50–60 Hz
Power Consumption (Average / Maximum)	293.8W/354W	449W/541W	850W/1423.4W
Heat Dissipation	1209 BTU/h	1846.5 BTU/h	4858 BTU/h
Operating Temperature	50–95°F (10–35°C)	50–95°F (10–35°C)	50–95°F (10–35°C)
Storage Temperature	-40–158°F (-40–70°C)	-40–158°F (-40–70°C)	-40–158°F (-40–70°C)
Humidity	8–90% non-condensing	8–90% non-condensing	8–90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)
<b>Compliance</b>			
Safety Certifications	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB	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, KC, UL/cUL, CB, GOST

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

Global Policies and high availability support available on all models.

<sup>4</sup> + Indicates Device Add-On License available

## Order Information

Product	SKU	Description
FortiManager	FMG-200F	Centralized management, log and analysis appliance — 2xRJ45 GE, 2xSFP, 8 TB storage, up to 30x Fortinet devices/virtual domains.
	FMG-300F	Centralized management, log and analysis appliance — 4x GE RJ45, 2xSFP, 16 TB storage, up to 100x Fortinet devices/virtual domains.
	FMG-1000F	Centralized management, log and analysis appliance — 2x RJ45 10G, 2x SFP+ slots, 32 TB storage, up to 1000x Fortinet devices/virtual domains.
	FMG-2000E	Centralized management, log and analysis appliance — 4x GE RJ45, 2x 10 GE SFP+ slots, 36 TB storage, dual power supplies, manages up to 1,200 Fortinet devices/virtual domains.
	FMG-3000F	Centralized management, log and analysis appliance — 4x GE RJ45, 2x 10 GE SFP+ slots, 48 TB storage, dual power supplies, manages up to 4,000 Fortinet devices/virtual domains.
	FMG-3700F	Centralized management, log and analysis appliance — 2x10GbE SFP+, 2x1GbE RJ-45 slots, 240 TB storage, dual power supplies, manages up to 10,000 Fortinet devices/virtual domains.
	FortiManager Device Upgrade	FMG-DEV-100-UG
FortiManager VM	Built-in Evaluation	Built-in 15-day EVAL license, no activation required.
	Full Evaluation (60-days)	EVAL license. License and activation required.
	FMG-VM-Base	Base license for stackable FortiManager-VM. Manages up to 10 Fortinet devices/Virtual Domains, 1 GB/Day of Logs and 100 GB storage capacity. Designed for all supported platforms.
	FMG-VM-10-UG	Upgrade license for adding 10 Fortinet devices/Virtual Domains; allows for total of 2 GB/Day of Logs and 200 GB storage capacity.
	FMG-VM-100-UG	Upgrade license for adding 100 Fortinet devices/Virtual Domains; allows for total of 5 GB/Day of Logs and 1 TB storage capacity.
	FMG-VM-1000-UG	Upgrade license for adding 1,000 Fortinet devices/Virtual Domains; allows for total of 10 GB/Day of Logs and 4 TB storage capacity.
	FMG-VM-5000-UG	Upgrade license for adding 5,000 Fortinet devices/Virtual Domains; allows for total of 25 GB/Day of Logs and 8 TB storage capacity.
Additional FortiManager Items	FMG-SDNS	License to operate FortiManager as a dedicated Secure DNS server appliance (3000 series and above - hardware only).
	FMG-DEV-100-UG	FortiManager device upgrade license for adding 100 Fortinet devices/vdoms (3000 series and above - hardware only).



[View More Datasheets](#)

[www.fortinet.com](http://www.fortinet.com)

Copyright © 2019 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.