

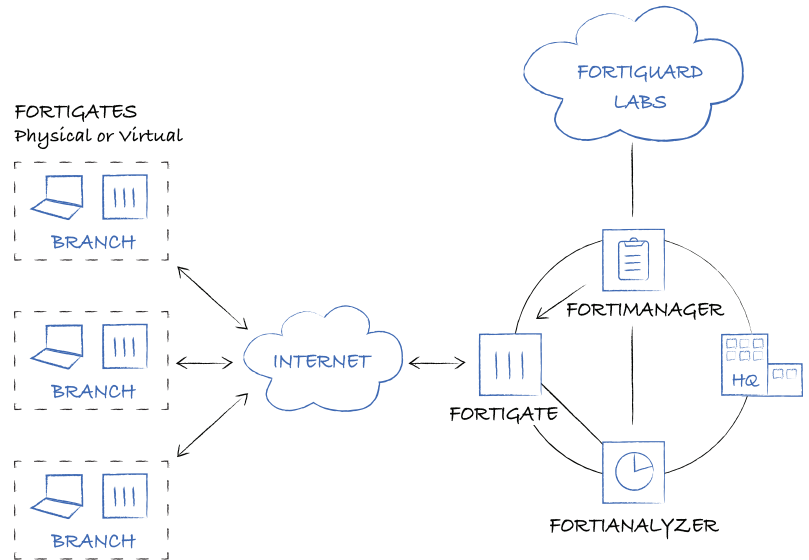
FortiManager


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-WAN.



 **Orchestrate** Fortinet 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
- Security automation**
 - Reduces complexity and costs by leveraging automated REST API, scripts, connectors, and automation stitches
- 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
- Enterprise-grade high availability and integration**
 - Automated backups to up to 5 nodes (1 Primary, and 4 secondary) with streamlined software and security updates for all managed devices

Feature Highlights

Single Pane Automation and Orchestration

FortiManager provides insight into network traffic and threats through a single-pane-of-glass and offers enterprise-class features and sophisticated security management for unified, end-to-end protection 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 enables centrally-provisioned VPN community and connection monitoring. FortiAP Manager allows configuring, deploying and monitoring FortiAPs from a single console.

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. Use Management extensions to add SD-WAN Orchestrator, Wireless Manager and other modules.

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 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.

Management Extensions

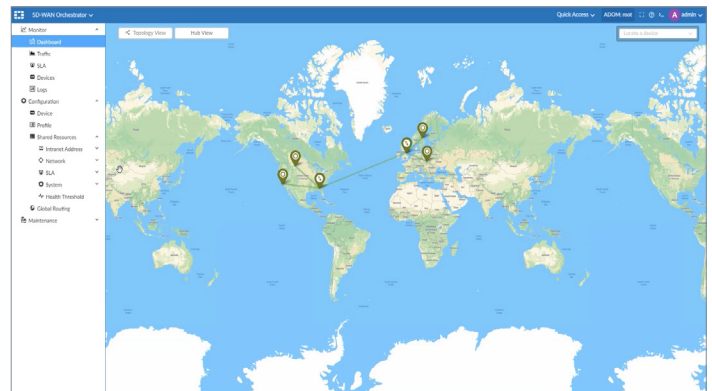
FortiManager's management extensions allow rapid expansion of Single Pane to manage more Security Fabric products. The built-in engine runs containerized extensions to support trusted containers, which are pulled from the FortiGuard. FortiManager is notified when new containers are made available and users can easily choose to opt in or out of each of the management extensions. It includes modules like SD-WAN Orchestrator, Wireless Manager and more.

Security Policy Management

Per Policy Lock has been added to 6.4, which allows admins to control the policy change by implicitly lock a policy rule when he/she does the change to the policy. Group commonly used security policies in a policy block and insert as needed in different Policy Packages. Global policy feature that allows companies such as: Telecom, MSSP and SAAS providers to apply a header/footer policy at the ADOM level to all policy packages or select packages.

SD-WAN Orchestration & Analytics

Powerful SD-WAN management capabilities using intuitive workflow and simplified provisioning at scale. Enhanced SD-WAN analytics to monitor application performance and bandwidth utilization per WAN link. Leverage application centric SD-WAN business policies to fine-tune traffic steering decisions based on performance SLA targets for each WAN provider. Provide flexible deployment options for SD-WAN orchestrator, an add-on to FortiManager.



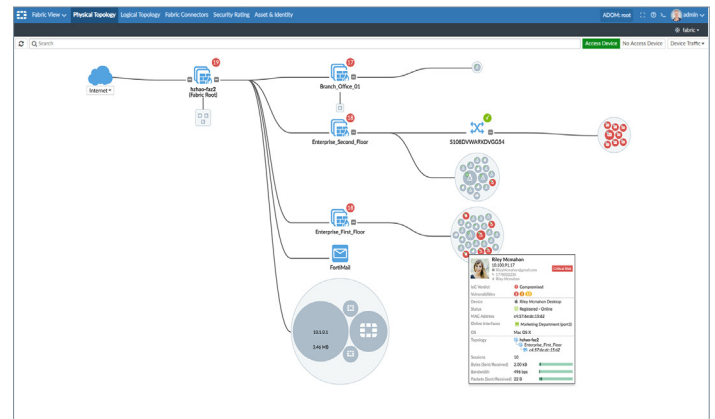
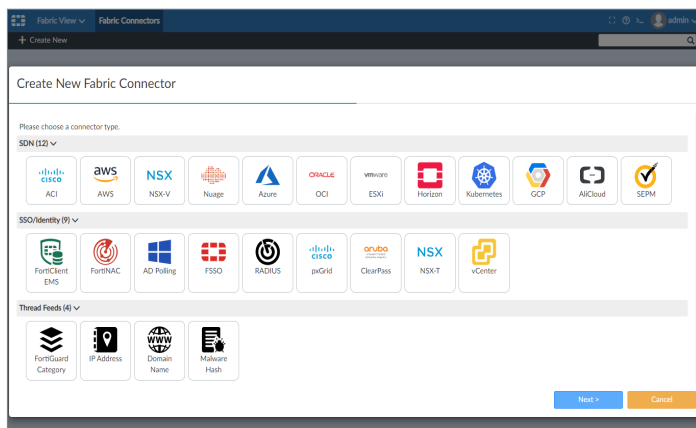
Multi-Tenancy & Role Based Administration

FortiManager equips admins with granular device and role based administration for deploying zero-trust, multi-tenancy architecture to large enterprises, with a hierarchical objects database to facilitate re-use of common configurations and serve multiple customers. ADOMs are used to manage independent security environments, each with its own security policies and configuration database, and the intuitive GUI makes it easy to view, create, clone and manage ADOMs. The zero-touch deployment uses templates to provision devices for quick mass deployment, and also 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 responsibilities. FortiManager's new IPS admin is a restricted user role for performing only IPS related object configuration and install.

Feature Highlights

Integration & Security Fabric

FortiManager integrates with ITSM to mitigate security events, apply configuration changes and update policies, as well as seamless integration with FortiAnalyzer for in-depth discovery, analysis, prioritization and reporting of network security events. Use fabric connectors to facilitate connections with third-party vendors like vCenter, pxGrid, Clearpass, OCI, ESXi, AWS and others, to share and exchange data. FortiManager's workflow for audit and compliance enables review, approval and auditing policy changes, including automating processes for policy compliance, policy lifecycle management, and enforced workflow to reduce risk.



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.

Monitor and Report for Deep Visibility

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

Virtual Machines

FortiManager VM-S

The new FortiManager Subscription license model consolidates the VM product SKU and the FortiCare Support SKU into one single SKU, to simplify the product purchase, upgrade and renewal.

The FortiManager S-Series SKUs come in stackable subscriptions to manager 10, 100 and 1000 devices/vdoms, so that multiple units of this SKU can be purchased at a time to increase the number of devices/vdoms as needed. This SKU can also be purchased together with other FMG VM-S SKUs to expand the total number of devices/vdoms.

FortiManager VM

Fortinet offers the FortiManager VM in a stackable license model. This software-based version of the FortiManager hardware appliance allows you to expand your virtual solution as your environment expands and is designed to run on many virtualization platforms. The FortiManager virtual appliance family minimizes the effort required to monitor and maintain your network and offers all the features of the FortiManager hardware appliance.

Specifications

FORTIMANAGER VIRTUAL APPLIANCES	FMG-VM-BASE	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG
Capacity					
Devices/VDOMs (Maximum) ^{1, 4}	10	10 +	100 +	1,000 +	5,000 +
Storage Capacity	100 GB	200 GB	1 TB	4 TB	8 TB
GB/Day of Logs ³	1	2	5	10	25
Chassis Management	✓	✓	✓	✓	✓
Virtual Machine					
Hypervisor Support	VMware ESX/ESXi 5.5/6.0/6.5/6.7/7.0, 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 (Alibaba Cloud)				
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 (VDM) 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



FORTIMANAGER APPLIANCES	FMG-200F	FMG-300F	FMG-1000F
Capacity and Performance			
Devices/VDOMs (Maximum) ¹	30	100	1000
Sustained Log Rates	50	50	50
GB/Day	2	2	2
Hardware Specifications			
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 GE 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	✓	✓	✓
Dimensions			
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)
Environment			
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 / 130 W	108W / 186 W	192.5W/275 W
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)
Compliance			
Safety Certifications	FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB	FCC Part 15 Class A, RCM, VCCI, CE, BSMI, KC, UL/cUL, CB, GOST	FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB

1 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



FORTIMANAGER APPLIANCES	FMG-2000E	FMG-3000G	FMG-3700F
Capacity and Performance			
Devices/VDOMs (Maximum) ^{1,4}	1,200	4,000+	10,000+
Sustained Log Rates	50	150	150
GB/Day	2	10	10
Hardware Specifications			
Storage Capacity	36 TB (12x 3 TB)	64 TB (16 x 4TB)	240 TB (60x 4 TB)
Usable Storage (after RAID)	30 TB	56 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+	2 x GbE RJ45 ports, 2x 25GbE SFP28	2x10GbE SFP+, 2x1GbE RJ-45
Console Port	DB-9	DB-9	DB9
Removable Hard Drives	✓	✓	✓
Redundant Hot Swap Power Supplies	✓	✓	✓
Chassis Management	✓	✓	✓
Dimensions			
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 44.0 x 65.0	17.8 x 43.7 x 76.7
Weight	58 lbs (26.3 kg)	65.5 lbs (30.15 kg)	120 lbs (54.6 kg)
Environment			
AC Power Supply	100–240V AC, 50–60 Hz	100-127V~/10A, 200-240V~/5A Hz	100–240V AC, 50–60 Hz
Power Consumption (Average / Maximum)	293.8W/354 W	449W/541 W	850W/1423.4 W
Heat Dissipation	1209 BTU/h	1846.5 BTU/h	4858 BTU/h
Operating Temperature	50–95°F (10–35°C)	32–104°F (0–40°C)	50–95°F (10–35°C)
Storage Temperature	-40–158°F (-40–70°C)	-40–167°F (-20–75°C)	-40–158°F (-40–70°C)
Humidity	8–90% non-condensing	5–95% 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)
Compliance			
Safety Certifications	FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB	FCC Part 15 Class A, RCM, VCCI, CE, BSMI, KC, UL/cUL, CB, GOST	FCC Part 15 Class A, RCM, VCCI, CE, BSMI, KC, UL/cUL, CB, GOST

1 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.

4 + Indicates Device Add-On License available

Order Information

Product	SKU	Description
FortiManager	FMG-200F	Centralized management appliance — 2xRJ45 GE, 2xSFP, 8 TB storage, up to 30x Fortinet devices/virtual domains.
	FMG-300F	Centralized management appliance — 4x GE RJ45, 2xSFP, 16 TB storage, up to 100x Fortinet devices/virtual domains.
	FMG-1000F	Centralized management appliance — 2x RJ45 10G, 2x SFP+ slots, 32 TB storage, up to 1000x Fortinet devices/virtual domains.
	FMG-2000E	Centralized management 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-3000G	Centralized management appliance — 2 x GbE RJ45 ports, 2x 25GbE SFP28, 64 TB storage, dual power supplies, manages up to 4,000 Fortinet devices/virtual domains.
	FMG-3700F	Centralized management 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 device upgrade license for adding 100 Fortinet devices/VDOMs (3000 series and above - hardware only)
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.
FortiManager-VM Subscription License with Support	FC1-10-FMGVS-258-01-DD	Subscription for 10 devices/VDOMs managed by FortiManager VM S-series. 24x7 FortiCare support included.
	FC2-10-FMGVS-258-01-DD	Subscription for 100 devices/VDOMs managed by FortiManager VM S-series. 24x7 FortiCare contract is included.
	FC3-10-FMGVS-258-01-DD	Subscription for 1000 devices/VDOMs managed by FortiManager VM S-series. 24x7 FortiCare support included.
FortiManager Device Upgrade License	FMG-DEV-100-UG	FortiManager device upgrade license for adding 100 Fortinet devices/vdoms (3000 series and above - hardware only).

