

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.



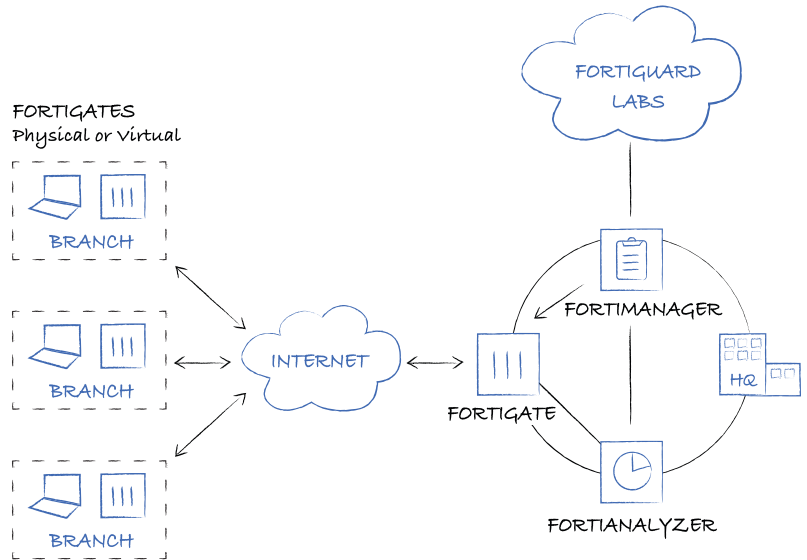
Orchestrate Fortinet security devices and systems on-premise or in the cloud to streamline network provisioning, security policy updates, and change management.



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 FortiGates and its subordinate FortiSwitches, FortiAP, and FortiExtender. Provide signature updates to FortiMail, FortiSandbox, and FortiClient

Security Automation

- Reduce 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

- Automate backups to up to five nodes 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

FortiManager provides a rich set of tools to help network admins centrally manage Security Fabric devices such as firewalls, switches, wireless wan extenders, access points, and VPNs from a single console, including capabilities to facilitate simplified deployments, centralized provisioning, and connection monitoring for VPNs, APs, SD-WAN, and more.

Configuration and Settings Management

Collectively configure device settings, use the new enhanced provisioning templates to assign firmware and policy packages during approval, and advance CLI templates for improved management of a large number of devices. Automatic device configuration backups with revision control and change auditing make daily administrative tasks easy.

Management Extensions

FortiManager's Management Extensions pane allows rapid expansion of the Single Pane to manage more Security Fabric products. The built-in engine runs containerized management extension applications (MEAs), pulled from FortiGuard. FortiManager's management extensions include modules to allow use of the following:

SD-WAN Orchestrator for all configuration, management, and monitoring of FortiGates on your SD-WAN network.

FortiPortal for cloud-based security and log management, allowing Managed Security Service Providers to delegate controlled access to device configuration and analytics.

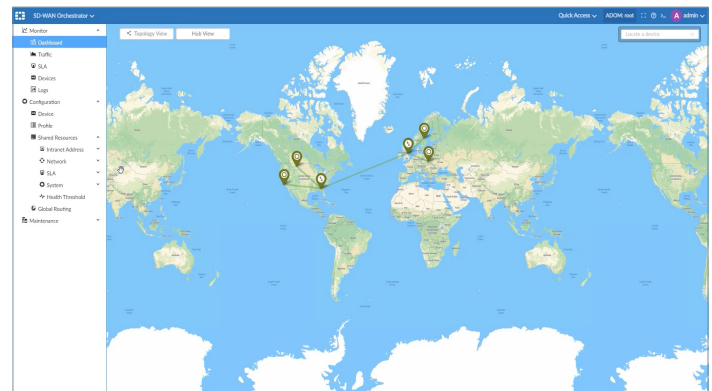
FortiWLM to monitor, operate, and administer wireless networks on FortiGates that are managed by FortiManager.

FortiSigConverter to import network intrusion detection rules directly into FortiManager and convert them to Fortinet supported IPS signatures.

FortiAuthenticator for identity and access management, allowing admins to provide access to protected network assets, and track user activity and compliance with security policies.

SD-WAN Orchestration and Analytics

FortiManager offers 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.



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.

Security Policy Management

A Per Policy Lock has been added to 6.4 which allows admins to control the policy change by implicitly locking a policy rule when a policy is changed. Group commonly used security policies in a policy block and insert as needed in different Policy Packages. The global policy feature 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. Both the Policy and Objects views now include a revision history, providing an account of admins who have made changes, change date, summary, and a mandatory change notes field for capturing reason of the change.

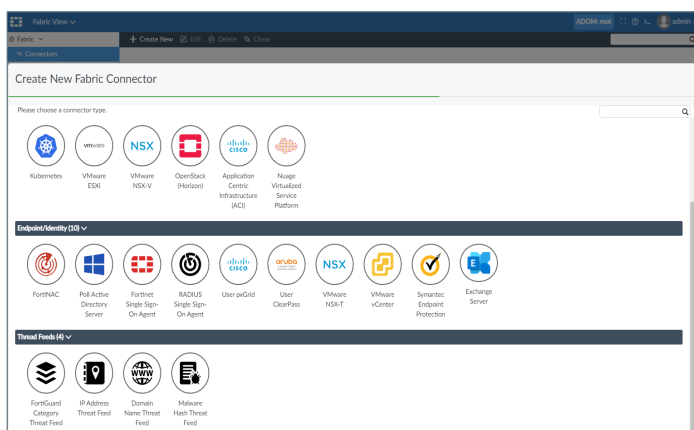
Feature Highlights

Multi-Tenancy and 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.

Integration and Security Fabric

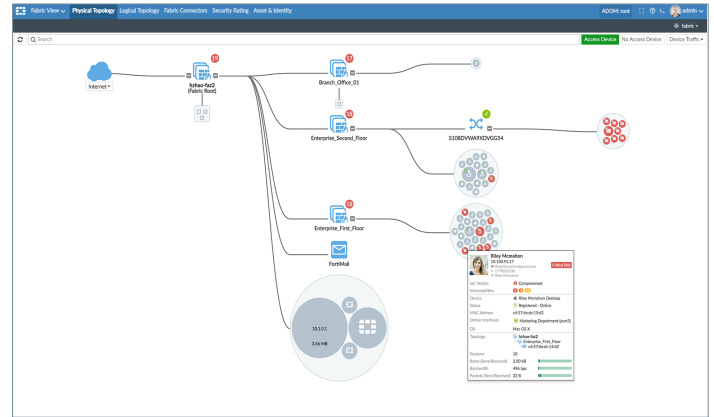
FortiManager integrates with ITSM to mitigate security events, apply configuration changes and update policies, as well as seamless integration with FortiAnalyzer for in-depth discovery, analyses, prioritization, and reporting of network security events. Use fabric connectors to facilitate connections 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 and 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

Monitor health of FortiGate devices in the Device Manager, with resource usage and network monitors for status of DHCP, IPsec and SSL VPN, routing, traffic shapers, and more. Use Fabric View to check Security Fabric Ratings and configurations of FortiGate devices or groups. Access vital security and network statistics, as well as real-time monitoring and topology information to provide visibility into network and user activity. For more powerful analytics, combine with a FortiAnalyzer appliance or VM for additional data mining, statistical analyses, and graphical reporting capabilities.

FortiManager High Availability

FortiManager high availability (HA) provides enhanced reliability, data protection, redundancy, and operational performance to ensure agreed uptimes and availability. In the event that the operating FortiManager unit fails, a backup FortiManager (one primary and up to four secondary) unit can take the place of the failed unit, making sure that companies have seamless access to their devices and business-critical network operations.

FortiManager Cloud

Fortinet also offers a cloud-based management service to enable customers who want to leverage Fortinet managed FortiManager infrastructure.

Customers and partners can easily access their FortiManager Cloud from their FortiCloud Single-Sign-On Portal.

FortiManager VM

FortiManager Virtual Machines are a virtual version of the hardware appliance and are designed to run on many virtualization platforms, offering all the latest features of the FortiManager appliance. They allow organizations to centrally manage any number of Fortinet Network Security Fabric devices and scale from several to thousands, supporting centralized management, best practices compliance, and automated workflows to deliver superior protection against threats. FortiManager VMs are available in both a subscription and perpetual offering.

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 manage 10, 100, and 1,000 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 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)	4 / Unlimited				
Network Interface Support (Min / Max) ⁵	1 / 4				
Storage Support (Minimum / Maximum)	100 GB / 16 TB				
Memory Support (Minimum / Maximum)	8 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. 5 VM supports up to 12 vNIC interfaces/ports. Applicable to 6.4.3+. Actual consumable numbers vary depending on cloud platforms

Specifications



FORTIMANAGER APPLIANCES	FMG-200G	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, 1s/5,5s/10	RAID 0/1, 1s/5,5s/6,6s/10/50/60
Default RAID Level	1	10	50
Hardware Form Factor	1 RU Rackmount	1 RU Rackmount	2 RU Rackmount
Total Interfaces	4xRJ45 GE	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)	1.73 x 17.24 x 16.38	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 43.8 x 41.6	4.4 x 44.3 x 56.3	8.9 x 43.7 x 65.0
Weight	22.5 lbs (10.2 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)	90.1W / 99 W	108W / 186 W	192.5W/275 W
Heat Dissipation	337.8 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	-13-167°F (-25-75°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 (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

* 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) HDD + 9.6 TB (1.6 TB x 6) NVMe SSDs
Usable Storage (after RAID)	30 TB	56 TB	220.8 TB (216 TB + 4.8 TB)
RAID Levels Supported	RAID 0/1, 1s/5, 5s/6, 6s/10/50/60	RAID 0/1, 1s/5, 5s/6, 6s/10/50/60	RAID 0/1, 1s/5, 5s/6, 6s/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 <input checked="" type="checkbox"/>	DB-9 <input checked="" type="checkbox"/>	D <input checked="" type="checkbox"/>
Removable Hard Drives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Redundant Hot Swap Power Supplies	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chassis Management	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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

*3700F must connect to a 200V - 240V power source.

Order Information

Product	SKU	Description
FortiManager	FMG-200G	Centralized management appliance — 4xRJ45 GE, 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 HDD SSD + 9.6 TB NVMe SSD storage, dual power supplies, manages up to 10,000 Fortinet devices/virtual domains.
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-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.
	FortiManager-Cloud	FC-10-[FortiGate Model Code]-179-02-DD
FC-10-[FortiGate Model Code]-816-02-DD		360 Protection (SD-WAN Cloud Monitoring, FMG/FAZ Cloud, IPS, AMP, App Ctrl, Web Filtering, AS, Security Rating, Industrial Security, FortiConverter Svc, and ASE FortiCare).*
FC-10-[FortiGate VM Model Code]-819-02-DD		360 Protection (SD-WAN Cloud Monitoring, FMG/FAZ Cloud, IPS, AMP, App Ctrl, Web Filtering, AS, Security Rating, Industrial Security, FortiConverter Svc, and ASE FortiCare).*
FC1-10-MVCLD-227-01-DD		Subscription for 10 devices/vdoms managed by FortiManager Cloud. 24x7 FortiCare support included.*
FC2-10-MVCLD-227-01-DD		Subscription for 100 devices/vdoms managed by FortiManager Cloud. 24x7 FortiCare contract is included.*
FC3-10-MVCLD-227-01-DD		Subscription for 1000 devices/vdoms managed by FortiManager Cloud. 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).

* Requires FortiCloud Premium Account license

NOTE:

For Hardware models, the default number of ADOMs can be found in the Release Notes on docs.fortinet.com

For FortiManager-VM Subscription licenses 5 ADOMs are included. They are non-stackable. Additional ADOMs can be purchased with an ADOM subscription license.



www.fortinet.com

Copyright © 2021 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.