

DATA SHEET

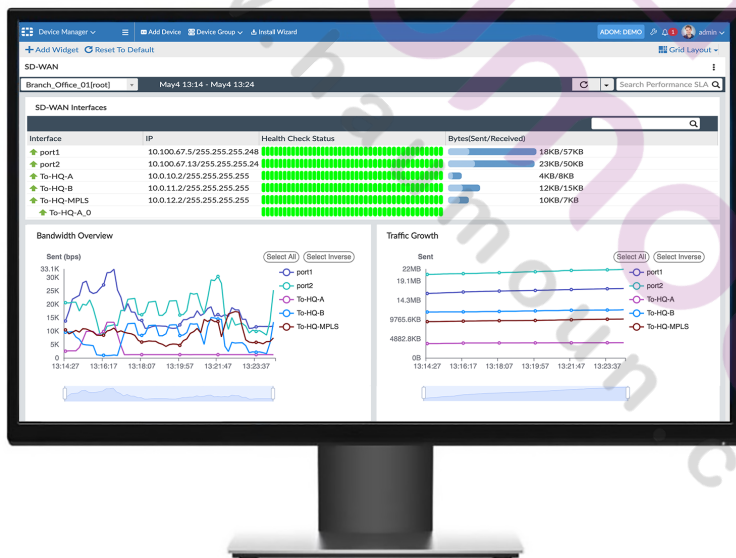
# FortiManager

Available in:



FortiManager provides Automation-Driven Centralized Management of your Fortinet devices from a single console for full administration and visibility of your network devices through streamlined provisioning and innovative automation tools.

Integrated with Fortinet’s Security Fabric, the advanced security architecture and FortiManager’s Automation Driven Network Operations capabilities provide a solid foundation to secure and optimize your network security.



**Single-Pane Management** streamlines centralized policy and object management, automatic revision history and control, and enhanced RBAC features for script management and IPS management with role separation.

**Security Fabric Automation** simplifies the ZTP deployment process for SD-Branch (FortiGates and access devices) with powerful templates that directly utilize meta-variables for scalable provisioning to thousands of sites.

**NOC Cloud Services** offers the FortiManager platform as a service with new management extensions that can be pulled and installed from the cloud.

## Key Features

- Centrally manage thousands of FortiGates, policies and objects as well as FortiSwitches, FortiAP, and FortiExtender. Provide signature updates to FortiGate, FortiMail, FortiSandbox, and FortiClient
- Centralized distribution of security content and signatures through the use of the built-in FortiGuard module
- Use templates for firmware upgrades and zero-touch provisioning for Secure SD-WAN, setting up IPsec VPN, static route, and FortiExtender for fast and easy configuration
- Reduce complexity and costs by leveraging automated REST API, scripts, connectors, and automation stitches
- Automate workflows and configurations for Fortinet firewalls, switches, and wireless infrastructure
- Separate customer data and manage domains leveraging ADOMs to be compliant and operationally effective
- High Availability to automate backups for up to five nodes with streamlined software and security updates for all managed devices

## FEATURE HIGHLIGHTS

### Single Pane Management

FortiManager's Single Pane Management provides centralized management and provisioning strategy built around Fortinet's Security Fabric that tightly integrates an organization's network infrastructure and security architecture to apply access control, segmentation and consistent protection of devices, applications and users.

### Device Configuration and Provisioning

FortiManager expands the network administrator's capabilities with a rich set of tools to centrally manage up to 100,000 devices including FortiGates, FortiExtender, FortiSwitch, FortiAPs, SD-WAN and more.

Collectively configure device settings and use new enhanced CLI templates with variables, and provisioning templates to assign firmware and policy packages from a single console, including policy and object revision history for auditing.

FortiManager includes extended SSL and Certificate support for enhanced ssl-ssh-profile configuration, as well as Restricted IPS Admin Profiles to support customers who are transitioning and upgrading from dedicated IPS solutions to Fortinet products.

Automated device configuration backups and revision control make daily administrative tasks easy, with change tracking in the enhanced Event Log view for review of configuration and change detail for auditing & compliance.

FortiManager also now enables Admins to configure and assign custom commands on FortiSwitch and configure MCLAG from the FortiSwitch Manager.

### Multi-Tenancy and Role-Based Administration

FortiManager provides granular device and role-based administration for clear visibility of every device and user on the network, facilitating zero-trust, multi-tenancy deployments for large enterprises and a hierarchical objects database for re-use of common configurations to serve multiple customers.

ADOMs (administrative domains) are used to manage independent security environments, each with its own security policies and configuration database. The intuitive GUI makes it easy for Admins to view, create, clone, and manage ADOMs, define global Objects, Policies and Security Profiles across ADOMs, with Health Check to ensure ADOMs are in sync.

FortiManager's zero-touch deployment utilizes templates to provision devices for quick mass deployments, and supports firmware version enforcement for defining firmware requirements for installs and upgrades.

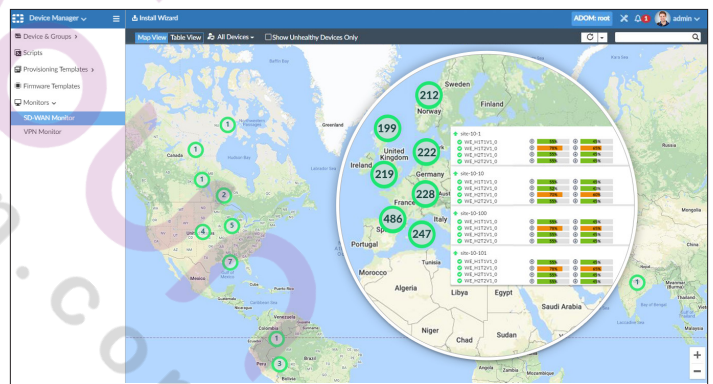
FortiManager's new IPS admin is a restricted user role for performing only IPS related object configuration and installations. Admin users can also be assigned per-admin UI background themes, for unique visual associations.

### Security Policy and Objects Management

FortiManager's Policy & Objects views enable Admins to centrally manage and configure device policies, including updating network settings, antivirus definitions, intrusion protection signatures, access rules, and software updates.

The global policy feature allows MSSP and SAAS providers to apply ADOM level header/footer policies for updating all policy packages or select packages. 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 to capture change reason.

The per-policy lock feature allows admins to control the policy change by implicitly locking a policy rule when a policy is changed. Admins can also group commonly used policies in a policy block and insert in different Policy Packages.



### Secure SD-WAN

FortiManager offers powerful SD-WAN management capabilities using intuitive workflows and simplified provisioning at scale. Leverage application centric SD-WAN business policies to fine-tune traffic steering decisions based on performance SLA targets for each WAN provider.

Admins can use SD-WAN monitoring dashboard to keep an eye on application performance and bandwidth utilization per WAN link, and integrate FortiAnalyzer for enhanced analytics views and SD-WAN assessment reports.



## FEATURE HIGHLIGHTS

### Manage and Monitor with Deep Visibility

FortiManager's Device Manager provides full visibility, access and management of Fortinet managed devices, interfaces, scripts, templates, automation, monitors, users, settings, and more. Install, edit and delete policies, monitor the health of FortiGate devices through the customizable dashboards and widgets to see resource usage, network status of DHCP, IPsec and SSL VPN, routing, traffic shapers, and more. Easily navigate the hierarchical tree with categories for Managed Devices, Logging Devices, Unauthorized Devices, and customize to display as a table, folder, or a map view.

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. Add a FortiAnalyzer appliance or VM for powerful analytics and enhanced Fabric view with asset and identity info, additional data mining, statistical analysis, and graphical reporting capabilities.

### FortiManager High Availability (HA)

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.

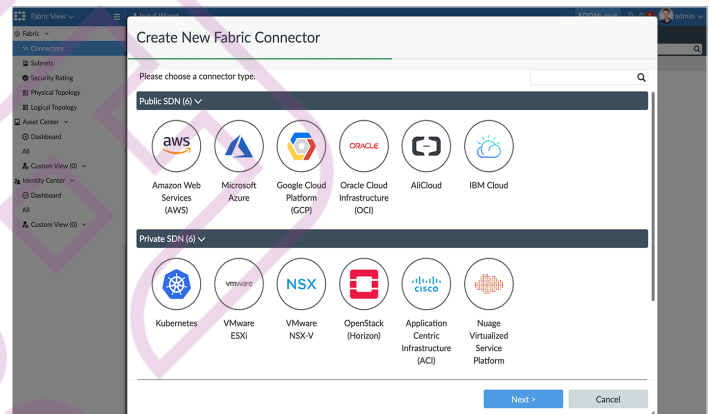
The FortiManager HA Cluster Wizard now also supports defining a hostname for each cluster member, exposing the session-pick option from GUI, as well as the option to dedicate an interface for management of the individual cluster member.

## Security Fabric Automation

### Network and Security Operations Visibility (NOC/SOC)

FortiManager supports NOC-SOC workflows to assist network teams in maintaining optimal performance. Automated data exchanges between security (SOC) workflows and operational (NOC) workflows, create a single, complete workflow that not only saves time, but also provides the capacity to complete additional incident response activities.

Integration with FortiAnalyzer magnifies visibility with advanced data visualization and analytics helping analysts quickly connect-the-dots, identify threats, and simplify the expeditious configuration and security of managed devices.



### Automation and Connectors

Utilize Automation and Orchestration and optimize with FortiManager through querying of FortiGates and the Fortinet Security Fabric via application programming interfaces (APIs) to actively collect and share network information and broaden end-to-end visibility and response.

FortiManager reduces complexity and cost by leveraging REST API, scripts, connectors, and FortiGate automation stitches to automate time-intensive processes and accelerate workflows for offloading NOC-SOC, reducing administrative tasks, and addressing talent shortages. Admins can automate common tasks such as provisioning of FortiGates and configuring new or existing devices.

Join Fortinet Developer Network (FNDN) for exclusive access to articles, how-to content for automation and customization, community-built tools, scripts, and sample code.



## FEATURE HIGHLIGHTS

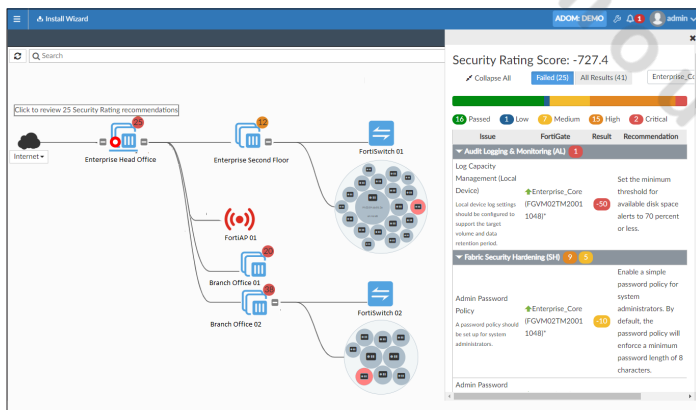
### NOC Cloud Services

#### 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 for 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 convert Snort network intrusion detection and intrusion prevention system rules to Fortinet supported IPS signatures directly into FortiManager
- FortiAuthenticator for identity and access management, allowing admins to provide access to protected network assets, and track user activity and compliance with security policies
- FortiSOAR – Full Security Orchestration, Automation and Response features with a subscription to FortiSOAR



#### Dynamic Cloud Security

Fortinet Cloud Security and Management Solutions offers customers a SaaS based delivery option for central management of FortiGate devices from a cloud-based FortiManager.

FortiManager Cloud provides an automation-driven and single pane-of-glass management capability that is easy-to-implement, easy-to-manage, flexible, and scalable for an organization's business growth.

Use the single Sign-on Portal to manage Fortinet NGFW and SD-WAN. The built-in cloud-init service allows Administrators to easily customize a prepared image of a virtual installation for KVM, AZURE, and AWS. FortiManager's cloud-based network management helps customers streamline FortiGate provisioning with automation-enabled management of Fortinet devices.

With the FortiCloud Premium subscription, customers can easily enable the FortiManager Cloud service with the 360 Protection bundle or by purchasing it a-la-carte, providing access to manage a range of Fortinet solutions and services for simplified network and security management. Customers and partners can easily access their FortiManager Cloud from their FortiCloud Single-Sign-On Portal.

#### Security Fabric and Third Party Integration

FortiManager integrates with ITSM to seamlessly mitigate security incidents and events, apply configuration changes, and update policies. Integration with FortiAnalyzer provides 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.



## VIRTUAL OFFERINGS

### 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 VM 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 is designed to run on many virtualization platforms which allows you to expand your virtual solution as your environment expands. 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-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG
<b>Capacity</b>				
<b>Devices/VDOMs (Maximum)<sup>1,3</sup></b>	10 +	100 +	1,000 +	5,000 +
<b>Storage Capacity</b>	200 GB	1 TB	4 TB	8 TB
<b>GB/Day of Logs<sup>2</sup></b>	2	5	10	25
<b>Chassis Management</b>	☑	☑	☑	☑
<b>Virtual Machine</b>				
<b>Hypervisor Support</b>	Up-to-date hypervisor support can be found in the release notes for each FortiManager version. Visit <a href="https://docs.fortinet.com/product/fortimanager/">https://docs.fortinet.com/product/fortimanager/</a> and find the Release Information at the bottom section. Go to "Product Integration and Support" → "FortiManager [version] support" → "Virtualization"			
<b>vCPU Support (Minimum / Maximum)</b>	4 / Unlimited			
<b>Network Interface Support (Min / Max)<sup>4</sup></b>	1 / 4			
<b>Storage Support (Minimum / Maximum)</b>	100 GB / 16 TB			
<b>Memory Support (Minimum / Maximum)</b>	8 GB / Unlimited for 64-bit			
<b>High Availability Support</b>	Yes			

1 Each Virtual Domain (VDOM) operating on a physical or virtual device counts as one (1) licensed network device.

2 Storage Capacity and GB/Day of Logs are not stackable. These values represent the maximum available with purchased license.

3 +Indicates Device Add-On License available.

4 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
<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 × 4 TB)	16 TB (4 × 4 TB)	32 TB (8 × 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	☑	☑	☑
<b>Dimensions</b>			
Height x Width x Length (inches)	1.73 × 17.24 × 16.38	1.75 × 17.44 × 22.16	3.5 × 17.2 × 25.6
Height x Width x Length (cm)	4.4 × 43.8 × 41.6	4.4 × 44.3 × 56.3	8.9 × 43.7 × 65.0
Weight	22.5 lbs (10.2 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)	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)
<b>Compliance</b>			
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

<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.

\* Optional redundant AC power supply, not included.

## SPECIFICATIONS



FORTIMANAGER APPLIANCES	FMG-2000E	FMG-3000G	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 (12 × 3 TB)	64 TB (16 × 4TB)	240 TB (60 × 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, 2 × 10 GE SFP+	2 x GbE RJ45 ports, 2 × 25GbE SFP28	2 × 10GbE SFP+, 2 × 1GbE 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 × 17.2 × 25.6	5.2 × 17.2 × 25.5	7 × 17.2 × 30.2
Height x Width x Length (cm)	8.9 × 43.7 × 64.8	13.2 × 44.0 × 65.0	17.8 × 43.7 × 76.7
Weight	58 lbs (26.3 kg)	65.5 lbs (30.15 kg)	120 lbs (54.6 kg)
<b>Environment</b>			
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)
<b>Compliance</b>			
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 — 2x 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 and BPS	FC1-10-FMGVS-448-01-DD	Subscription license for 10 devices/vdoms managed by FortiManager VM S-series. 24x7 FortiCare support plus FortiCare Best Practice services included.
	FC2-10-FMGVS-448-01-DD	Subscription license for 100 devices/vdoms managed by FortiManager VM S-series. 24x7 FortiCare support plus FortiCare Best Practice services included.
	FC3-10-FMGVS-448-01-DD	Subscription license for 1000 devices/vdoms managed by FortiManager VM S-series. 24x7 FortiCare support plus FortiCare Best Practice services included.
FortiManager-VM	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	Cloud-based Central Management & Orchestration Service for FortiGate.
	FC-10-[FortiGate Model Code]-841-02-DD	360 Protection (FMG/FAZ Cloud, FortiCloud SOCaaS, IPS, AMP, App Ctrl, Web & Video Filtering, AS, Security Rating, IoT Detection, Industrial Security, SD-WAN Orchestrator, SD-WAN Cloud Monitoring, FortiConverter Svc, and ASE FortiCare).
	FC-10-[FortiGate VM Model Code]-842-02-DD	360 Protection (FMG/FAZ Cloud, FortiCloud SOCaaS, IPS, AMP, App Ctrl, Web & Video Filtering, AS, Security Rating, IoT Detection, Industrial Security, SD-WAN Orchestrator, SD-WAN Cloud Monitoring, 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.
Hardware Bundle	FMG-[Hardware Model]-BDL-447-DD	Hardware plus 24x7 FortiCare and FortiCare BPS.
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](https://docs.fortinet.com)  
 For FortiManager-VM Subscription licenses 5 ADOMs are included. Additional ADOMs can be purchased.



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