DATA SHEET

FortiManager

Available in:

Appliance | Virtual Machine | Cloud

FortiManager provides automation-driven centralized management of your Fortinet devices from a single console. This process enables full administration and visibility of your network devices through streamlined provisioning and innovative automation tools.

Integrated with the Fortinet Security Fabric advanced security architecture and automation driven network operations capabilities provide a solid foundation to secure and optimize your network security.

Single-Pane Management and Provisioning streamlines centralized policy and object management and provisioning, automatic revision history and control, and enhanced role-based access control (RBAC) features for script management and IPS management with role separation.

Fabric Automation simplifies the zero-touch provisioning (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.

Monitoring and Visibility for device inventory, applications, SD-WAN, LAN edge, management extension applications (MEAs), traffic, public cloud, and more.

Key Features

- Centrally manage network and security policies for thousands of FortiGate NGFWs and Secure SD-WAN plus FortiSwitches, FortiAP, and FortiExtender. Provide signature updates to FortiGate, FortiMail, FortiSandbox, and FortiClient
- Get centralized distribution of security content and signatures through the use of the built-in FortiGuard module
- Simplify configuration, deployment, and maintenance for Secure SD-WAN at scale. Accelerate FortiExtender Wireless WAN connectivity with centralized management across distributed sites
- 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 and Provisioning

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 FortiGate NGFWs, FortiExtender, FortiSwitch switches, FortiAP access points, Fortinet Secure SD-WAN, and more.

Collectively configure device settings using enhanced CLI templates with variables, zero-touch provisioning templates for quick mass deployments, firmware version enforcement for installs and upgrades, templates to assign policy packages and policy and object revision history for auditing.

FortiManager includes extended SSL and certificate support for enhanced ssl-ssh-profile configuration, Restricted IPS Admin Profiles to support transitioning and upgrading from dedicated IPS solutions, custom commands on FortiSwitch and configuring MCLAG from the FortiSwitch Manager.

Automated device configuration backups and revision control make daily administrative tasks easy. Track changes in the enhanced Event Log view for review of configuration updates for auditing and compliance.

Security Policy and Objects Management

FortiManager Policy and Objects views enable admins to centrally manage and configure device policies, including updating network settings, antivirus definitions, intrusion prevention signatures, access rules, and software updates.

The global policy feature allows MSSP and PaaS 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.

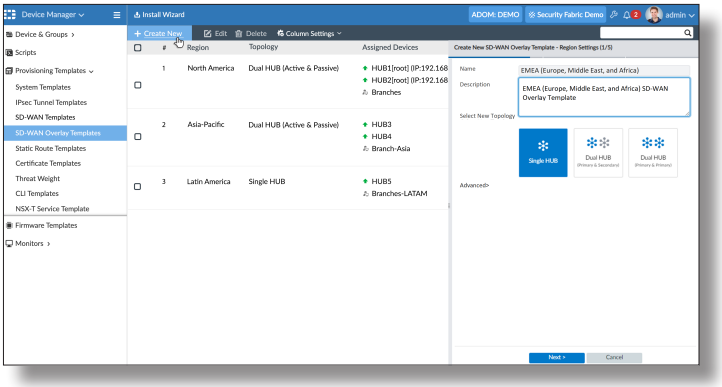
The per-policy lock feature allows admins to control the policy change by implicitly locking a policy rule when a policy is changed. Admins can also group commonly used policies in a policy block and insert in different Policy Packages.

Extend security policies across hybrid and multi-cloud environments, with common configuration assignments and policy packages for IPSec, BGP, CLI and SD-WAN rules.

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 service level agreement (SLA) targets for each WAN provider.

Simplify and accelerate SD-WAN configuration on a global scale with automated SD-WAN overlay provisioning. Utilize device blueprints for large SD-WAN deployments with support to import CSV templates and assign meta-data variables.



Use the Secure SD-WAN reports and monitoring dashboards to closely monitor application performance including metrics for bandwidth, latency, jitter, and packet loss.

Multi-Tenancy and Role-Based Administration

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

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 keep ADOMs in sync.

Assign IPS admin restricted user role, for users performing only IPS related object config and install. Use per-admin UI background themes for unique visual associations.

FEATURE HIGHLIGHTS

FortiManager High Availability (HA)

FortiManager high availability (HA) provides enhanced reliability, data protection, redundancy, and operational performance to ensure agreed-upon uptime and availability requirements are met, with option for dedicated interface for management of the individual cluster member. 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, for seamless access to devices and business-critical network operations.

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. This insight helps 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 network operations with FortiManager through querying of FortiGate NGFWs and the Fortinet Security Fabric via application programming interfaces (APIs). This process will 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. This method helps NOC and SOC teams by reducing administrative tasks, and addressing talent shortages. Admins can automate common tasks such as provisioning of FortiGate NGFWs and configuring new or existing devices.

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

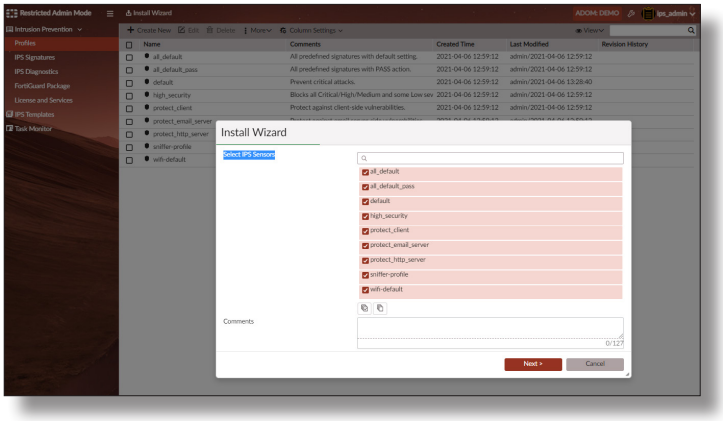
Expanded Operations Capabilities

Increase operational efficiencies with simplified and automated provisioning and deployment of Fabric devices, using open Fabric APIs for new integrations and workflows.

Utilize ZTNA rules and policies to enforce access control, and the EMS connector to retrieve ZTNA tags or tag groups, and configure a ZTNA server and use the ZTNA tags in policies to enforce zero trust RBAC (role based access control).

Make use of FortiSwitch multiple port selection configuration templates for effortless configuration of native and allowed vlans, security policies, QoS policies, and LLDP Profiles for simplified LAN edge management.

Use the IPS wizard with IPS sensor selections and IPS templates for quick and easy creation and installation of IPS profiles. Admins can use the IPS Signatures on-hold monitor for a centralized view of all on-hold signatures, including severity, OS, application, on-hold dates, and more.



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 such as vCenter, pxGrid, ClearPass, OCI, ESXi, AWS, and others to share and exchange data.

The FortiManager workflow for audit and compliance enables review, approval, and auditing policy changes. These methods include automating processes for policy compliance, policy lifecycle management, and enforced workflow to reduce risk.

FEATURE HIGHLIGHTS

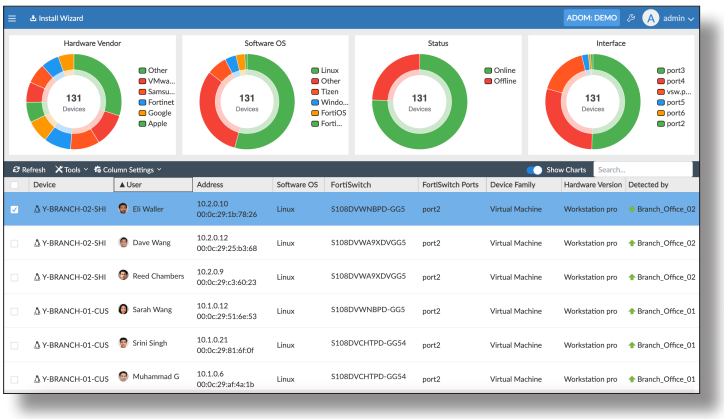
Monitoring and Visibility

Manage and Monitor with Deep Visibility

The FortiManager Device Manager provides full visibility, access, and management of Fortinet managed devices, interfaces, scripts, templates, automation, users, settings, and more. Install, edit, and delete policies. Monitor the health of FortiGate devices through 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 virtual machine (VM) for powerful analytics and enhanced Fabric view with asset and identity info, additional data mining, statistical analysis, and graphical reporting capabilities.

FortiManager includes a multitude of tools for simple and intuitive analysis of Fortinet firewalls, switches, access points, and more. Gain one-click access to MEAs like the FortiAIOps extension, IPS Admin visibility into installed IPS configurations and monitoring of IPS Diagnostics, and Device Inventory Monitor with device and user information, plus new column selections to show FortiSwitch, FortiAP and SSID information.



NOC Cloud Services

Management Extensions

The 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 Labs Threat Intelligence. FortiManager's MEAs include one-click access to modules for FortiAIOps, SD-WAN, FortiPortal, FortiWLM, FortiSigConverter, FortiAuthenticator, and FortiSOAR.

Dynamic Cloud Security

Fortinet cloud security and management solutions offer organizations a PaaS-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.

Use the single sign-on portal to manage Fortinet NGFW and SD-WAN. The built-in cloud-init service allows admins to easily customize a prepared image of a virtual installation for KVM, AZURE, and AWS. FortiManager cloud-based network management helps organizations 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 FortiAnalyzer Cloud with SOCaaS license, providing access to manage a range of Fortinet solutions and services for simplified network and security management. Customers can easily access their FortiManager Cloud from their FortiCloud single sign-on portal.

Trusted Platform Module (TPM) Encryption

FortiManager G Series features a dedicated micro-controller module that hardens physical networking appliances by generating, storing, and authenticating cryptographic keys in TPM. This hardware-based security mechanism protects users from malicious software and phishing attacks.

VIRTUAL OFFERINGS

FortiManager Virtual Machines

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 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 a single SKU to simplify the product purchase, upgrade, and renewal.

The FortiManager-VM S Series SKUs come in stackable subscriptions to manage 10, 100, and 1000 devices/ VDOMs. Multiple units of this SKU can be purchased at one time to increase the number of devices/ VDOMs as needed. This SKU can also be purchased with other FortiManager-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
Capacity				
Devices/VDOMs (Default)[1, 3]	10 +	100 +	1000 +	5000 +
Storage Capacity	200 GB	1 TB	4 TB	8 TB
GB/ day of Logs[2]	2	5	10	25
Chassis Management	✓	✓	✓	✓
Virtual Machine				
Hypervisor Support	Up-to-date hypervisor support can be found in the release notes for each FortiManager version. Visit https://docs.fortinet.com/product/fortimanager/ and find the Release Information at the bottom section. Go to "Product Integration and Support" → "FortiManager [version] support" → "Virtualization"			
vCPU Support (Minimum / Maximum)	4 / Unlimited			
Network Interface Support (Min / Max) [4]	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 Storage capacity and GB/ day of logs are not stackable. These values represent the maximum available with purchased license.
3 VM SKUs are stackable up to 100 000 Devices/VDOMs.
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-400G
Capacity and Performance		
Devices/VDOMs (Default)[1]	30	150
Devices/VDOMs (Maximum)[3]	—	—
Sustained Log Rates	50	50
GB/ day	2	2
Hardware Specifications		
Storage Capacity	8 TB (2 × 4 TB)	32 TB (8 × 4 TB)
Usable Storage (after RAID)	4 TB	24 TB
RAID Levels Supported	RAID 0/1	RAID 0/1,1s/5,5s/6,6s/10/50/60
Default RAID Level	1	50
Hardware Form Factor	1 RU Rackmount	2 RU Rackmount
Total Interfaces	4xRJ45 GE	4 x GE RJ45, 2 x SFP
Console Port	RJ45	RJ45
Removable Hard Drives	No	✓
Redundant Hot Swap Power Supplies	✓*	✓*
Trusted Platform Module (TPM) [2]	Gen2	✓
Dimensions		
Height x Width x Length (inches)	1.73 × 17.24 × 16.38	3.5 × 17.5 × 22.2
Height x Width x Length (cm)	4.4 × 43.8 × 41.6	8.8 × 44.5 × 56.5
Weight	22.5 lbs (10.2 kg)	35.27 lbs (16 kg)
Environment		
AC Power Supply	100-240V 50-60 Hz	100–240V AC, 50-60 Hz
Power Consumption (Average / Maximum)	90.1W / 99 W	140 / 182 W
Heat Dissipation	337.8 BTU/h	621 BTU/h
Operating Temperature	32°–104°F (0°–40°C)	32°–104°F (0°–40°C)
Storage Temperature	-13°–167°F (-25°–75°C)	-4°–167°F (-20°–75°C)
Humidity	20% to 90% non-condensing	5% to 95% non-condensing
Operating Altitude	Up to 7400 ft (2250 m)	Up to 7400 ft (2250 m)
Compliance		
Safety Certifications	FCC Part 15 Class A, RCM, VCCI, CE, UL/cUL, CB	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.
2 Gen2 refers to hardware that has been upgraded since initial release.
3 Devices/VDOMs maximum with device add-on license, if supported.
* Optional redundant AC power supply, not included.

SPECIFICATIONS



FORTIMANAGER APPLIANCES	FMG-1000F	FMG-3000G	FMG-3700G
Capacity and Performance			
Devices/VDOMs (Default)[1]	1000	4000	10 000
Devices/VDOMs (Maximum)[3]	—	8000	100 000
Sustained Log Rates	50	150	150
GB/ day	2	10	10
Hardware Specifications			
Storage Capacity	32 TB (8× 4TB)	64 TB (16 × 4TB)	240TB (60× 4TB) HDD + 19.2TB (6× 3.2TB) NVMe SSD
Usable Storage (after RAID)	24 TB	56 TB	224 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	2x RJ45 10GE ports, 2x SFP+ ports	2 x GE RJ45 ports, 2× 25GE SFP28	2× 25GE SFP28, 2× 10GE RJ-45
Console Port	DB-9	DB-9	DB-9
Removable Hard Drives	✓	✓	✓
Redundant Hot Swap Power Supplies	✓	✓	✓
Trusted Platform Module (TPM) [2]	No	No	✓
Dimensions			
Height x Width x Length (inches)	3.5 × 17.2 × 25.6	5.2 × 17.2 × 25.5	7.0 × 17.2 × 30.2
Height x Width x Length (cm)	8.9 × 43.7 × 65.0	13.2 × 44.0 × 65.0	17.8 × 43.7 × 76.7
Weight	34 lbs (15.42 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	2000W AC [4]
Power Consumption (Average / Maximum)	192.5W/275 W	449W/541 W	850/ 1423.4 W
Heat Dissipation	920 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°–140°F (-40°–60°C)	-40°–167°F (-20°–75°C)	-40°–158°F (-40°–70°C)
Humidity	8% to 90% non-condensing	5% to 95% non-condensing	5% to 95% non-condensing
Operating Altitude	Up to 7400 ft (2250 m)	Up to 7400 ft (2250 m)	Up to 7400 ft (2250 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.
2 Gen2 refers to hardware that has been upgraded since initial release.
3 Devices/VDOMs maximum with device add-on license, if supported.
4. 3700G 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/VDOMs.
	FMG-400G	Centralized management appliance — 4 x GE RJ45, 2 x SFP, 32 TB storage, up to 150 Fortinet devices/ VDOMs.
	FMG-1000F	Centralized management appliance — 2x RJ45 10G, 2x SFP+ slots, 32 TB storage, up to 1000 Fortinet devices/VDOMs.
	FMG-3000G	Centralized management appliance — 2 x GbE RJ45 ports, 2× 25GbE SFP28, 64 TB storage, dual power supplies, manages up to 4000 Fortinet devices/VDOMs.
	FMG-3700G	Centralized management appliance — 2× 25GE SFP28, 2× 10GE RJ-45, 240 TB + 19.2 TB storage, dual power supplies, manages up to 10 000 Fortinet devices/VDOMs.
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. 24×7 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. 24×7 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. 24×7 FortiCare support plus FortiCare Best Practice services included.
FortiManager-VM	FMG-VM-10-UG	Upgrade license for adding 10 Fortinet devices/VDOMs; 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/VDOMs; allows for total of 5 GB/ day of logs and 1 TB storage capacity.
	FMG-VM-1000-UG	Upgrade license for adding 1000 Fortinet devices/VDOMs; allows for total of 10 GB/ day of logs and 4 TB storage capacity.
	FMG-VM-5000-UG	Upgrade license for adding 5000 Fortinet devices/VDOMs; 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 and orchestration service for FortiGate.
	FC-10- [FortiGate VM Model Code]-179-02-DD	Cloud-based central management and orchestration service for FortiGate.
	FC1-10-MVCLD-227-01-DD	Subscription for 10 devices/VDOMs managed by FortiManager Cloud. 24×7 FortiCare support included.
	FC2-10-MVCLD-227-01-DD	Subscription for 100 devices/VDOMs managed by FortiManager Cloud. 24×7 FortiCare contract is included.
	FC3-10-MVCLD-227-01-DD	Subscription for 1000 devices/VDOMs managed by FortiManager Cloud. 24×7 FortiCare support included.
Hardware Bundle	FMG-[Hardware Model]-BDL-447-DD	Hardware plus 24×7 FortiCare and FortiCare Best Practice Service.
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 for 5 ADOMs are included. Additional ADOMs can be purchased.

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