

FortiManager

With today’s challenging cybersecurity landscape, Security teams are falling behind due to resource constraints and an inability to keep up with the latest threats. Complexity and the unknown diminish security effectiveness – NOC-SOC helps to rejuvenate and strengthen your Security Posture. Centralized Security Management helps companies **Operationalize and Automate Security** to improve response time and awareness, and **Fortinet’s Security Fabric** is the foundation of that new approach. FortiManager provides one console to manage your network, giving you full control of your Fortinet devices with enterprise-class management.

Centralized Security Management

FortiManager’s **NOC-SOC Operations Management** provides Secure Operationalized Visibility across your Fortinet Security Fabric which enables real time security monitoring, threats and vulnerabilities identification and remediation.

Quantifiable Security solution information such as Security Maturity and Security Ratings produce measureable accountability which you can use to determine your security preparedness internally and compare it to that of your industry peers.

Workflow Integration with ITSM (ServiceNow) to mitigate security events and apply configuration changes and policy updates.

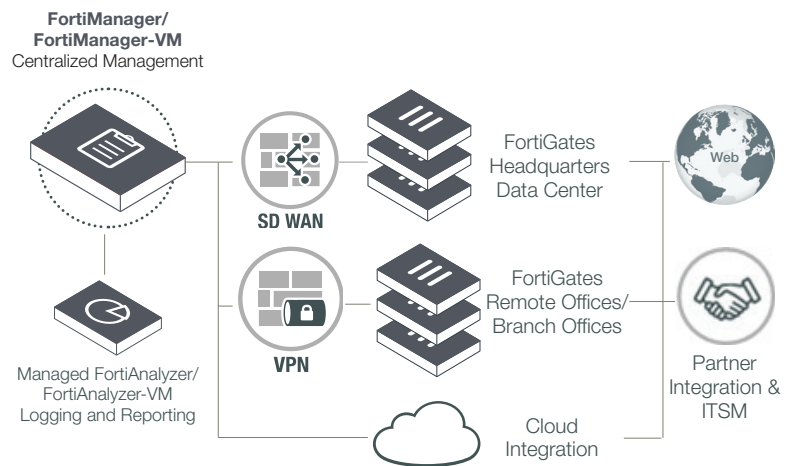


Figure1: FortiManager Deployment

Key Features

- Centralized device management: A single console to manage all Fortinet firewalls switches , wireless infrastructure and endpoints
- Centralized policies and objects management: Quickly create and modify policies/objects with a consolidated, drag and drop enabled, in-view editor
- Detailed revision tracking, and thorough auditing capabilities
- Manage devices in a Security Fabric group as if they were a single device and display the Security Fabric topology
- Workflow integration for change control management
- Centralized SD-WAN provisioning and monitoring
- Central VPN management: VPN communities, tunnel management, topologies
- Automation - templates and scripts for device provisioning automation and policy installation with JSON APIs or XML API, to reduce your management burden and operational costs
- Granular device and role based administration for large enterprises and multi-tenancy deployments
- Centralized software upgrades and security updates for the managed devices

Single Pane-of-Glass Management

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.

Highlights

Central SD-WAN Deployment and Monitoring

Centrally monitor SD-WAN performance. Monitor your devices on Map view with color coded icons and mouse over to view health performance statistics for each SD-WAN link member. Table View provides more granular information for each SD-WAN link member, including link status, application performance and bandwidth usage.

Managed FortiAP, FortiSwitch & FortiExtender

Centrally manage wireless networks, create wifi templates, AP profiles, SSIDs and WIDS. Manage entire FortiSwitch infrastructure.

Configuration and Settings Management

Collectively configure the device settings, objects and policies across your network from a single user interface. 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.

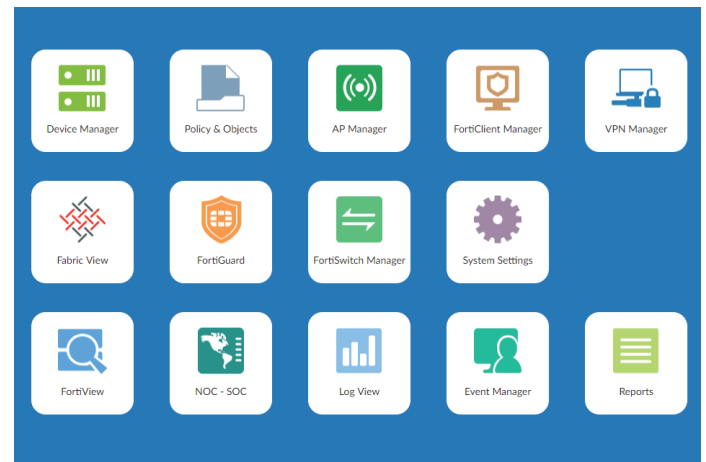


Figure 3: FortiManager Dashboard

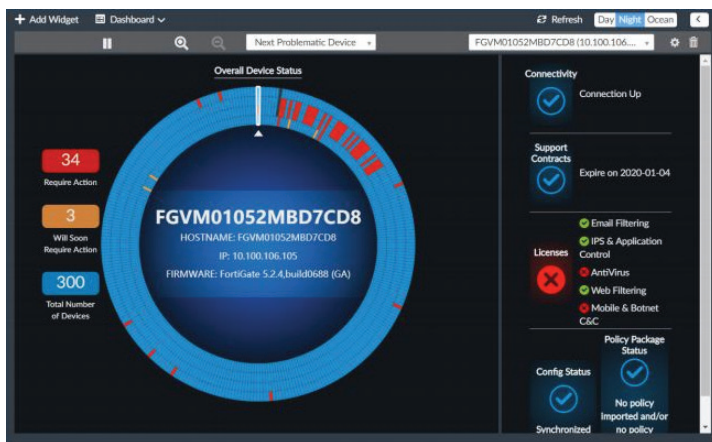


Figure 2: NOC-SOC Device Status Dashboard

Integration & Security Fabric

Integration with ITSM (ServiceNow) 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

Workflow for Audit and Compliance

FortiManager 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.

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.

Highlights

Locally Hosted FortiGuard Labs Security Content

Host security content locally for greater control over security content updates and improved response time for rating database. Includes support for: Application Control and Intrusion Prevention updates, Vulnerability Management, Antispam, Antivirus and Web Filtering updates.

Multi-Tenancy and Hierarchical — Administrative Domains (ADOMs)

FortiManager provides a hierarchical objects database to facilitate re-use of common configurations and a multi-tenancy architecture to serve multiple customers. The graphical interface makes it easy to view, create 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. 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.

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 |
|--|--|--------------|---------------|----------------|----------------|
| CAPACITY | | | | | |
| Devices/VDOMs (Maximum) ^{1,4} | 10 | 10 + | 100 + | 1,000 + | 5,000 + |
| Storage Capacity ² | 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 5.0/5.1/5.5/6.0/6.5/6.7, 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, Amazon Web Services (AWS), Microsoft Azure, Google Cloud (GCP), Oracle Cloud Infrastructure (OCI), 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 (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

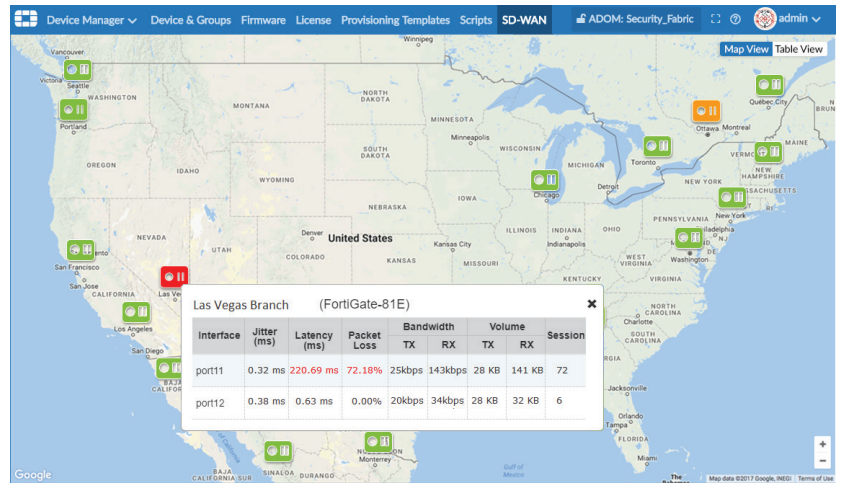


Figure 4: SD-WAN Monitor

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.

Specifications


FMG-200F

FMG-300F

FMG-400E

| CAPACITY AND PERFORMANCE | | | |
|---------------------------------------|---|---|---|
| Devices/VDOMs (Maximum) ¹ | 30 | 100 | 300 |
| 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) | 24 TB (8x 3 TB) |
| Total Storage (after RAID) | 4 TB | 8 TB | 21 TB |
| RAID Levels Supported | RAID 0/1 | RAID 0/1/5/10 | RAID 0/1/5/6/10/50/60 |
| Default RAID | 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 GE |
| Console Port | RJ45 | RJ45 | DB9 |
| Removable Hard Drives | No | ✓ | ✓ |
| Redundant Hot Swap Power Supplies | No | 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 25.2 |
| 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 64.8 |
| Weight | 18.9 lbs (8.6 kg) | 28.6 lbs (13.0 kg) | 52 lbs (23.6 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 / 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) | 41-95°F (5-35°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 9,842 ft (3,000 m) |
| COMPLIANCE | | | |
| 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 |

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

Specifications


FMG-2000E

FMG-3000F

FMG-3700F

| CAPACITY AND PERFORMANCE | | | |
|--|---|---|---|
| Devices/VDOMs (Maximum) ^{1,4} | 1,200 | 4,000+ | 10,000+ |
| Sustained Log Rates | 50 | 150 | 150 |
| GB/day logs | 2 | 10 | 10 |
| HARDWARE SPECIFICATIONS | | | |
| Storage Capacity | 36 TB (12x 3 TB) | 48 TB (16x 3 TB) | 240 TB (60x 4 TB) |
| Total 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 | 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 | ✓ | ✓ | ✓ |
| 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 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) |
| ENVIRONMENT | | | |
| 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) |
| COMPLIANCE | | | |
| Safety Certifications | 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 | FCC Part 15 Class A, C-Tick, 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/Device

⁴ + 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-400E | Centralized management, log and analysis appliance — 2x GE RJ45, 24 TB storage, up to 300x 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 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. |
| Additional FortiManager Items | FC-10-FNDN1-139-02-12 | 1 Year Subscription Renewal for 1 User to Fortinet Developer Network |
| | FC-10-FNDN2-139-02-12 | 1 Year Subscription for Unlimited Users to Fortinet Developer Network |
| | FMG-SDNS | License to operate FortiManager as a dedicated Secure DNS server appliance (3000 series and above – hardware only) |
| | | |



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