# Release Notes

FortiSwitch Manager 7.2.7

**FORTINET DOCUMENT LIBRARY**

https://docs.fortinet.com

**FORTINET VIDEO LIBRARY**

https://video.fortinet.com

**FORTINET BLOG**

https://blog.fortinet.com

**CUSTOMER SERVICE & SUPPORT**

https://support.fortinet.com

**FORTINET TRAINING & CERTIFICATION PROGRAM**

https://www.fortinet.com/training-certification

**FORTINET TRAINING INSTITUTE**

https://training.fortinet.com

**FORTIGUARD LABS**

https://www.fortiguard.com

**END USER LICENSE AGREEMENT**

https://www.fortinet.com/doc/legal/EULA.pdf

**FEEDBACK**

Email: techdoc@fortinet.com

# TABLE OF CONTENTS

# Change log

| Date | Change Description |
|---|---|
| August 19, 2025 | Initial release of FortiSwitch Manager 7.2.7 |
| August 20, 2025 | Added FS-124G and FS-124G-FPOE to Supported models on page 5. |

# Introduction

FortiSwitch Manager (FSWM) is the on-premise management platform for the FortiSwitch product. FortiSwitch units connect to FSWM over the layer-3 network. You can configure a large number of FortiSwitch units with this FortiSwitch-management-only platform. FortiSwitch Manager provides a user experience consistent with the FortiLink Switch Controller.

This document provides the following information for FortiSwitch Manager 7.2.7 build 0160.

# Supported models

FortiSwitch Manager 7.2.7 supports the following models:

| | |
|---|---|
| **FortiSwitch 1xx** | FS-108E, FS-108E-POE, FS-108E-FPOE, FS-108F, FS-108F-POE, FS-108F-FPOE, FS-110G-FPOE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-124F, FS-124F-POE, FS-124F-FPOE, FS-124G, FS-124G-FPOE, FS-148E, FS-148E-POE, FS-148F, FS-148F-POE, FS-148F-FPOE |
| **FortiSwitch 2xx** | FS-224D-FPOE, FS-224E, FS-224E-POE, FS-248D, FS-248E-POE, FS-248E-FPOE |
| **FortiSwitch 4xx** | FS-424E, FS-424E-POE, FS-424E-FPOE, FS-424E-Fiber, FS-M426E-FPOE, FS-448E, FS-448E-POE, FS-448E-FPOE |
| **FortiSwitch 5xx** | FS-524D, FS-524D-FPOE, FS-548D, FS-548D-FPOE |
| **FortiSwitch 6xx** | FS-624F, FS-624F-FPOE, FS-648F, FS-648F-FPOE |
| **FortiSwitch 1xxx** | FS-1024D, FS-1024E, FS-1048E, FS-T1024E, FS-T1024F-FPOE |
| **FortiSwitch 2xxx** | FS-2048F |
| **FortiSwitch 3xxx** | FS-3032E |
| **FortiSwitch Rugged** | FSR-108F, FSR-112D-POE, FSR-112F-POE, FSR-124D, FSR-216F-POE, FSR-424F-POE |

Refer to the FortiSwitch feature matrix for details about the features supported by each FortiSwitch model.

# Compatibility

FortiSwitch Manager 7.2.7 is compatible with FortiSwitchOS 6.4.6 build 0470 or later.

# Upgrade information

FortiSwitch Manager 7.2.7 supports upgrading from FortiSwitch Manager 7.0.0 and later.

# Web browser support

| Web browser | • Microsoft Edge 112<br>• Mozilla Firefox version 113<br>• Google Chrome version 113<br>  Other web browsers might function correctly but are not supported by Fortinet. |
|---|---|

# Virtualization environment support

| Hypervisor | Recommended versions |
|---|---|
| Citrix Hypervisor | • 8.2 Express Edition, CU1 |
| Linux KVM | • Ubuntu 22.04.3 LTS<br>• Red Hat Enterprise Linux release 8.4<br>• SUSE Linux Enterprise Server 12 SP3 release 12.3 |
| Microsoft Windows Server | • Windows Server 2019 |
| Windows Hyper-V Server | • Microsoft Hyper-V Server 2019 |
| Open source XenServer | • Version 3.4.3<br>• Version 4.1 and later |
| VMware ESXi | • Versions 6.5, 6.7, 7.0, and 8.0 |

# System requirements

| Number of managed FortiSwitch units | vCPU | Memory (GB) | Hard disk |
|---|---|---|---|
| 1-10 | 8 (minimum 4) | 8 (minimum 4) | 1 TB (minimum 32 GB) |
| 10-100 | 16 (minimum 8) | 16 (minimum 8) | 1 TB (minimum 32 GB) |

| Number of managed FortiSwitch units | vCPU | Memory (GB) | Hard disk |
|---|---|---|---|
| 100-1,000 | 32 (minimum 16) | 32 (minimum 16) | 1 TB (minimum 32 GB) |
| 1,000-2,500 | 32 | 32 (minimum 16) | 1 TB (minimum 32 GB) |

# Supported Switch Controller features

| Switch Controller Features | FortiSwitch Models |
|---|---|
| Centralized VLAN Configuration | D-series, E-series, F-series |
| Switch POE Control | D-series, E-series |
| Link Aggregation Configuration | D-series, E-series, F-series |
| Spanning Tree Protocol (STP) | D-series, E-series, F-series |
| LLDP/MED | D-series, E-series, F-series |
| IGMP Snooping | D-series, E-series, F-series |
| 802.1X Authentication (Port-based, MAC-based, MAB) | D-series, E-series, F-series |
| Syslog Collection | D-series, E-series, F-series |
| DHCP Snooping | D-series, E-series, F-series |
| LAG support | D-series, E-series, F-series |
| sFlow | Not supported on FS-1xxE Series |
| Dynamic ARP Inspection (DAI) | D-series, E-series, F-series |
| Port Mirroring | D-series, E-series |
| RADIUS Accounting | D-series, E-series, F-series |
| Centralized Configuration | D-series, E-series, F-series |
| STP BDPU Guard, Root Guard, Edge Port | D-series, E-series, F-series |
| Loop Guard | D-series, E-series, F-series |
| Switch admin Password | D-series, E-series |
| Storm Control | D-series, E-series, F-series |
| 802.1X-Authenticated Dynamic VLAN Assignment | D-series, E-series, F-series |
| QoS | Not supported on FSR-112D-POE |
| Centralized Firmware Management | D-series, E-series, F-series |
| Automatic network detection and configuration | D-series, E-series |

| Switch Controller Features | FortiSwitch Models |
|---|---|
| Dynamic VLAN assignment by group name | D-series, E-series |
| Sticky MAC addresses | D-series, E-series, F-series |
| NetFlow and IPFIX flow tracking and export | D-series, E-series |
| MSTP instances | D-series, E-series, F-series |
| QoS statistics | D-series, E-series |
| Configuring SNMP | D-series, E-series, F-series |
| IPv4 source guard | FSR-124D, FS-224D-FPOE, FS-248D, FS-424D-POE, FS-424D-FPOE, FS-448D-POE, FS-448D-FPOE, FS-424D, FS-448D, FS-2xxE, and FS-4xxE |
| Point-to-point layer-2 network supported | D-series, E-series, F-series |
| Dynamic detection of LLDP neighbor devices | D-series, E-series |
| Explicit congestion notification (ECN) | FS-1024D, FS-1048D, FS-1048E, FS-3032D, FS-3032E, FS-4xxE, and FS-5xxD |
| Aggregation mode selection for trunk members | D-series, E-series |
| Multiple attribute values sent in a RADIUS Access-Request | D-series, E-series |
| PTP transparent-clock mode | FS-1048E, FS-224D, FS-224E, FS-3032D, FS-3032E, FS-424D, FS-4xxE, and FS-5xxD |
| Rapid PVST interoperation | D-series, E-series, F-series |
| Flash port LEDs | D-series, E-series |
| Cable diagnostics | Not supported on FSR-112D-POE, FS-1024D, FS-1048D, FS-1048E, FS-3032D, or FS-3032E |
| Flow control | D-series, E-series, F-series |
| Ingress pause metering | 200 series, 400D and 400E series, 500 series, FS-1024D, FS-1048D, FS-1048E, and FS-3032D |
| RVI | 448E, 448E-FPOE, 448E-POE, 424E-Fiber, 500 series, 1024D, 1024E,1048E, T1024E, 3032E |
| Static routing (IPv4/IPv6) | D-series, E-series, F-series (except FSR-112DPOE) |
| VRF (IPv4/IPv6) | 500 series, 1024D, 1024E,1048E, T1024E, 3032E |
| Automation stitches | D-series, E-series, F-series |
| Templates for managed-switch configurations | D-series, E-series, F-series |
| DHCP-snooping static entries (IPv4) | D-series, E-series, F-series |
| VLAN pruning | D-series, E-series, F-series, G-series |
| LACP fallback mode | D-series, E-series, F-series (except FS-6xxF), G-series |

| Switch Controller Features | FortiSwitch Models |
|---|---|
| Dynamic access control lists (DACLs) | FSR-124D, FSR-424F-POE, 1xxE, 1xxF, FS-110G-FPOE, 200 Series, 4xxE, 500 Series, 1024D, 1024E, 1048E, T1024E, T1024F-FPOE, 2048F, 3032E |
| 802.1x: priority for dynamic or egress VLAN assignment | D-series, E-series, F-series, G-series |
| DHCP-snooping option 82 | FSR-124D, FSR-424F-POE, 1xxE, 1xxF, FS-110G-FPOE, 200 Series, 4xxE, 500 Series, 1024D, 1024E, 1048E, T1024E, T1024F-FPOE, 2048F, 3032E |
| DAI: monitor ARP packets | D-series, E-series, F-series (except FS-6xxF), G-series |
| ACL (IPv4 ingress) | FSR-112D-POE, FSR-124D, FSR-216F-POE, FSR-424F-POE, 200 Series, 4xxE, 500 Series, 6xxF, 1024E, 1048E, T1024E, T1024F-FPOE, 2048F, 3032E |

**NOTE:** The following features are not supported:

- High availability (HA)
- FortiLink layer-2 mode
- UTM/security services (These are not needed because FortiSwitch Manager is not in the data path.)
- Network access control (NAC)
- Hardware switch
- Remote SPAN (RSPAN)
- Quarantines
- Integration with FortiAnalyzer
- VDOMs

# What's new in FortiSwitch Manager 7.2.7

Release 7.2.7 provides the following new feature:

- You can now use an offline license when your network is not connected to the Internet.

# Resolved issues

The following issues have been fixed in FortiSwitch Manager 7.2.7. For inquiries about a particular bug, please contact Customer Service & Support.

| Bug ID | Description |
| --- | --- |
| 1121637 | FortiSwitch Manager running on kernel-based virtual machines (KVMs) does not start. |
| 1139922 | The host name cannot be changed in the GUI for authorized switches. |
| 1141730 | The *Switch Controller > FortiLink Interface* page does not show the FortiLink-connected FortiSwitch units. |
| 1141732 | After FortiSwitch Manager is restarted, the port1 configuration is lost. |
| 1115633 | The STP status is not displayed in the Topology view. |

# Known issues

The following known issues have been identified with FortiSwitch Manager 7.2.7. For inquiries about a particular bug or to report a bug, please contact Fortinet Customer Service & Support.

| Bug ID | Description |
|---|---|
| 829038, 901172 | FortiSwitch units running FortiSwitchOS releases earlier than 7.2.3 might not have their Power over Ethernet (PoE) capabilities detected correctly. To get the correct PoE status and control, update to FortiSwitchOS 7.2.3 or later. |
| 907536 | The following FortiSwitch models do not support ACL group 3, which means that they do not support ACL ingress polices: FS-108E, FS-108E-POE, FS-108E-FPOE, FS-108F, FS-108F-POE, FS-108F-FPOE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-124F, FS-124F-POE, FS-124F-FPOE, FS-148E, FS-148E-POE, FS-148F, FS-148F-POE, FS-148F-FPOE, and FSR-112D-POE. |
| 964056 | When set role lan is configured on an interface, that interface cannot be deleted. **Workaround:** Change the role to undefined, restart FortiSwitch Manager, and then delete the interface. |
| 1102193 | When you click the *Export* button on the *Switch Controller > Managed FortiSwitches* or *Switch Controller > FortiSwitch Ports* page, the complete list of FortiSwitch units or FortiSwitch ports is exported, even when filters are configured. |
| 1102788 | Exporting the FortiSwitch port list takes longer when more columns are selected. **Workaround:** To improve download times, disable columns that are not needed. FortiSwitch Manager will fetch the updated values when downloading some columns, and this can lengthen download times significantly, depending on the number of switches and system load. |
| 1131591 | When you use the CLI to update FortiSwitch Manager from build 0151 to another build, there is a warming message, "Warning: Installing image v7.2.6 from v7.2.5 may result in loss of configuration. Do you want to proceed? Do you want to continue? (y/n)." The likelihood of a configuration loss is very low; however, Fortinet recommends the best practice of backing up your configuration before upgrading FortiSwitch Manager. |

| Bug ID | Description |
|--------|-------------|
| 1135924 | If you rename a managed switch with the `set name` command (under the `config switch-controller managed-switch` command), FortiSwitch Manager cannot be accessed for a longer-than-normal period of time when starting for the first time after the following circumstances:<br><br>• When you upgrade from FortiSwitchOS 7.2.4 or lower to FortiSwitchOS 7.2.5 or higher<br>• When you restore a configuration file from FortiSwitchOS 7.2.4 or lower on a system running FortiSwitchOS 7.2.5 or higher<br><br>The period of time depends on the number of switches and the overall performance of the VM. For example, FortiSwitch Manager running on the Intel Xeon Silver 4116 takes approximately 3 seconds per switch, which means the boot time with 700 FortiSwitch units will be about 35 minutes.<br>**NOTE:**<br>• This delay only happens once; it will not happen the next time the system is restarted.<br>• When estimating the time, the single-core CPU performance is the primary CPU metric. |
| 1187644 | When you first start FortiSwitch Manager after upgrading it from 7.2.4 and earlier (or when you first start FortiSwitch Manager after restoring a configuration file from 7.2.4 and earlier), you might see the following message several times:<br>`Update handler: Preparing to rename X switches.`<br>The number of switches can be zero or higher. This is an expected part of upgrade handling. |
| ------ | FortiSwitch Manager does not support using the *Managed FortiSwitches* page in the GUI to upgrade more than 152 FortiSwitch units at the same time.<br>In this case, the upgrade fails, and no changes are made to the FortiSwitch units. |
| ------ | The Topology view on the *Managed FortiSwitches* page is not intended for use in deployments of more than 300 FortiSwitch units.<br>In such cases, the page might take longer to load and cause the browser to slow down. |

**F:::RTINET**

www.fortinet.com