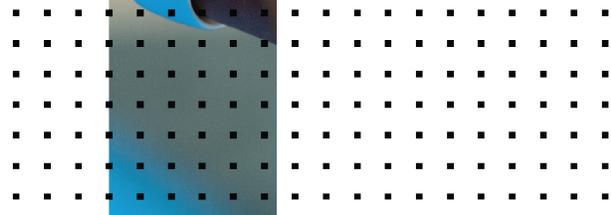


# Release Notes

## FortiSwitchOS 7.0.12



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December 23, 2025

FortiSwitchOS 7.0.12 Release Notes

11-7012-1214544-20251223

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## Change log

| Date              | Change Description                       |
|-------------------|--|
| December 23, 2025 | Initial release for FortiSwitchOS 7.0.12 |

# Introduction

This document provides the following information for FortiSwitchOS 7.0.12 build 0150.

- [Supported models on page 5](#)
- [Special notices on page 6](#)
- [Upgrade information on page 7](#)
- [Product integration and support on page 8](#)
- [Resolved issues on page 9](#)
- [Known issues on page 10](#)

See the [Fortinet Document Library](#) for FortiSwitchOS documentation.

## Supported models

FortiSwitchOS 7.0.12 supports the following models:

|                           |  |
|---------------------------|--|
| <b>FortiSwitch 1xx</b>    | 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 |
| <b>FortiSwitch 2xx</b>    | FS-224D-FPOE, FS-224E, FS-224E-POE, FS-248D, FS-248E-POE, FS-248E-FPOE   |
| <b>FortiSwitch 4xx</b>    | FS-424D, FS-424D-FPOE, FS-424D-POE, FS-424E, FS-424E-POE, FS-424E-FPOE, FS-424E-Fiber, FS-M426E-FPOE, FS-448D, FS-448D-FPOE, FS-448D-POE, FS-448E, FS-448E-POE, FS-448E-FPOE                             |
| <b>FortiSwitch 5xx</b>    | FS-524D-FPOE, FS-524D, FS-548D, FS-548D-FPOE   |
| <b>FortiSwitch 1xxx</b>   | FS-1024D, FS-1024E, FS-1048D, FS-1048E, FS-T1024E  |
| <b>FortiSwitch 3xxx</b>   | FS-3032D, FS-3032E   |
| <b>FortiSwitch Rugged</b> | FSR-112D-POE, FSR-124D   |

## What's new in FortiSwitchOS 7.0.12

FortiSwitchOS 7.0.12 is a patch release only. No new features or enhancements have been implemented in this release.

## Special notices

### Downgrading FortiSwitchOS 7.0.0 and later to versions earlier than 6.2.6 or 6.4.4 is not supported

Downgrading FortiSwitchOS 7.0.0 and later to FortiSwitchOS 6.2.6 and later 6.2 versions is supported. Downgrading FortiSwitchOS 7.0.0 and later to FortiSwitchOS 6.4.4 and later 6.4 versions is supported. Downgrading FortiSwitchOS 7.0.0 to versions earlier than FortiSwitchOS 6.2.6 or 6.4.4 is not supported.

### Downgrading FortiSwitchOS 7.0.0 and later requires converting the admin password first

Because FortiSwitchOS 7.0.0 changed from SHA1 to SHA256 encryption for admin passwords, you need to convert the format of the admin password before downgrading from FortiSwitchOS 7.0.0 and later to an earlier FortiSwitchOS version.



If you do not convert the admin password before downgrading from FortiSwitchOS 7.0.0 and later, the admin password will not work after the switch reboots with the earlier FortiSwitchOS version.

---

The encrypted admin password in FortiSwitchOS 7.0.0 and higher starts with “SH2”, and the encrypted admin password for earlier FortiSwitchOS versions starts with “AK1”.

**To convert the format of the admin password in FortiSwitchOS 7.0.0 and later before downgrading to an earlier FortiSwitchOS version:**

1. Enter the following CLI command to convert the admin password from SHA256 to SHA1 encryption:

```
execute system admin account-convert <admin_name>
```

2. Downgrade your firmware.

### Connecting multiple FSR-112D-POE switches

The FSR-112D-POE switch does not support interconnectivity to other FSR-112D-POE switches using the PoE ports. Fortinet recommends using the SFP ports to interconnect switches.

## Upgrade information

FortiSwitchOS 7.0.12 supports upgrading from FortiSwitchOS 3.5.0 and later.

For FortiSwitch units managed by FortiGate units, refer to the [FortiSwitch Devices Managed by FortiOS Release Notes](#) for upgrade information.

# Product integration and support

## FortiSwitchOS 7.0.12 support

The following table lists FortiSwitchOS 7.0.12 product integration and support information.

|                                    |   |
|------------------------------------|---|
| <b>Web browser</b>                 | <ul style="list-style-type: none"><li>• Microsoft Edge 114</li><li>• Mozilla Firefox version 113</li><li>• Google Chrome version 114</li></ul> <p>Other web browsers might function correctly, but are not supported by Fortinet.</p> |
| <b>FortiOS (FortiLink Support)</b> | Refer to the <a href="#">FortiLink Compatibility</a> table to find which FortiSwitchOS versions support which FortiOS versions.   |

## Resolved issues

The following issues have been fixed in FortiSwitchOS 7.0.12. For inquiries about a particular bug, please contact [Customer Service & Support](#).

| Bug ID  | Description   |
|---------|---|
| 1117597 | Trying to run a packet capture in the GUI causes the GUI to crash and the MGMT connection to go down. |

## Known issues

The following known issues have been identified with FortiSwitchOS 7.0.12. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

| Bug ID                                 | Description   |
|--|---|
| 382518, 417024, 417073, 417099, 438441 | DHCP snooping and dynamic ARP inspection (DAI) do not work with private VLANs (PVLANS).   |
| 414972                                 | IGMP snooping might not work correctly when used with 802.1x Dynamic VLAN functionality.  |
| 463161                                 | Upgrading the FS-448D from FortiSwitchOS 3.5.6 to 3.6.3 fails with an "Invalid root configuration data." error.   |
| 480605                                 | When DHCP snooping is enabled on the FSR-112D-POE, the switched virtual interface (SVI) cannot get the IP address from the DHCP server.<br><br><b>Workarounds:</b><br>—Use a static IP address in the SVI when DHCP snooping is enabled on that VLAN.<br>—Temporarily disable dhcp-snooping on vlan, issue the <code>execute interface dhcpclient-renew &lt;interface&gt;</code> command to renew the IP address. After the SVI gets the IP address from the DHCP server, you can enable DHCP snooping. |
| 510943                                 | The time-domain reflectometer (TDR) function (cable diagnostics feature) reports unexpected values.<br><br><b>Workaround:</b> When using the cable diagnostics feature on a port (with the <code>diagnose switch physical-ports cable-diag &lt;physical port name&gt;</code> CLI command), ensure that the physical link on its neighbor port is down. You can disable the neighbor ports or physically remove the cables.  |
| 542031                                 | For the 5xx switches, the <code>diagnose switch physical-ports led-flash</code> command flashes only the SFP port LEDs, instead of all the port LEDs.   |
| 548783                                 | Some models support setting the mirror destination to "internal." This is intended only for debugging purposes and might prevent critical protocols from operating on ports being used as mirror sources.   |
| 572052                                 | Backup files from FortiSwitchOS 3.x that have 16-character-long passwords fail when restored on FortiSwitchOS 6.x. In FortiSwitchOS 6.x, file backups fail with passwords longer than 15 characters.<br><br><b>Workaround:</b> Use passwords with a maximum of 15 characters for FortiSwitchOS 3.x and 6.x.   |
| 585550                                 | When packet sampling is enabled on an interface, packets that should be dropped by uRPF will be forwarded.  |

| Bug ID         | Description   |
|----------------|---|
| 606044, 610149 | The results are inaccurate when running cable diagnostics on the FS-108E, FS-124E, FS-108E-POE, FS-108E-FPOE, FS-124E-POE, FS-124E-FPOE, FS-148E, and FS-148E-POE models.   |
| 609375         | The FortiSwitchOS supports four priority levels (critical, high, medium, and low); however, The SNMP Power Ethernet MIB only supports three levels. To support the MIB, a power priority of medium is returned as low for the PoE MIB.  |
| 667079         | For the FSR-112D-POE model: <ul style="list-style-type: none"><li>• If you have enabled IGMP snooping or MLD snooping, the FortiSwitch unit does not support IPv6 functionalities and cannot pass IPv6 protocol packets transparently.</li><li>• If you want to use IGMP snooping or MLD snooping with IPv6 functionalities, you need to enable <code>set flood-unknown-multicast</code> under the <code>config switch global</code> command.</li></ul> |
| 724813         | The <code>set enforce-first-as {disable   enable}</code> command should have been placed under <code>config neighbor</code> and does not work in its current location (directly under <code>config router bgp</code> ). There is no patch available for this issue.   |
| 784585         | When a dynamic LACP trunk has formed between switches in an MRP ring, the MRP ring cannot be closed. Deleting the dynamic LACP trunk does not fix this issue. MRP supports only physical ports and static trunks; MRP does not support dynamic LACP trunks.<br><b>Workaround:</b> Disable MRP and then re-enable MRP.   |
| 833450         | Do not use multicast IP addresses in the ranges of 224-239.0.0.x and 224-239.128.0.x on the FS-2xxD, FS-2xxE, FS-4xxD, and FS-4xxE models.<br><b>Workaround:</b> Upgrade to FortiSwitchOS 7.2.4 or 7.4.0.   |
| 940586, 958210 | For the FS-148F, FS-148F-POE, and FS-148F-FPOE models, there might be packet loss after the packet sampler or packet capture is enabled.  |



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