



FortiSwitch Devices Managed by FortiOS Release Notes

Version 6.2.8

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Change log

Date	Change Description
April 26, 2021	Initial document release for FortiOS 6.2.8

Introduction

This document provides the following information for FortiSwitch 6.2.7 devices managed by FortiOS 6.2.8 build 1232.

- [Special notices on page 7](#)
- [Upgrade information on page 9](#)
- [Product integration and support on page 10](#)
- [Resolved issues on page 11](#)
- [Known issues on page 12](#)

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

NOTE: FortiLink is not supported in transparent mode.

The maximum number of supported FortiSwitch units depends on the FortiGate model:

FortiGate Model Range	Number of FortiSwitch Units Supported
FortiGate 30E, 40F, 50E, 91E, FortiGate-VM01	8
FortiGate 60F, 6xE, 80F, 8xE, 90E	16
FortiGate 100D, FortiGate-VM02	24
FortiGate 100E, 100EF, 100F, 101E, 140E, 140E-POE	32
FortiGate 200E, 201E	64
FortiGate 300D to 500D	48
FortiGate 300E to 500E	72
FortiGate 600D to 900D and FortiGate-VM04	64
FortiGate 600E to 900E	96
FortiGate 1000D to 15xxD	128
FortiGate 1100E to 25xxE	196
FortiGate-3xxx and up and FortiGate-VM08 and up	300

Supported models

Refer to the [FortiLink Compatibility table](#) to find which FortiSwitchOS versions support which FortiOS versions.



New models (NPI releases) might not support FortiLink. Contact [Customer Service & Support](#) to check support for FortiLink.

What's new in FortiOS 6.2.8

The following list contains new managed FortiSwitch features added in FortiOS 6.2.8:

- PoE pre-standard detection is now disabled by default.

Starting with this version, the factory default setting for power over Ethernet (PoE) pre-standard detection is `disable` for both managed and standalone FortiSwitch units.

Depending on the FortiSwitch model, you can manually change the `poe-pre-standard-detection` setting on the global level or on the port level.



PoE pre-standard detection is a global setting for the following FortiSwitch models: FSR-112D-POE, FS-548DFPOE, FS-524D-FPOE, FS-108D-POE, FS-224D-POE, FS-108E-POE, FS-108E-FPOE, FS-124E-POE, and FS-124EFPOE. For the other FortiSwitch PoE models, PoE pre-standard detection is set on each port.

On the global level, set `poe-pre-standard-detection` with the following commands:

```
config switch-controller managed-switch
  edit <FortiSwitch_serial_number>
    set poe-pre-standard-detection {enable | disable}
  next
end
```

On the port level, set `poe-pre-standard-detection` with the following commands:

```
config switch-controller managed-switch
  edit <FortiSwitch_serial_number>
    config ports
      edit <port_name>
        set poe-pre-standard-detection {enable | disable}
      next
    end
  next
end
```

When you upgrade FortiOS, the setting of `poe-pre-standard-detection` stays the same.

Special notices

Support of FortiLink features

The following table lists the FortiSwitch models supported by FortiLink features.

FortiLink Features	FortiSwitch Models
Centralized VLAN Configuration	D-series, E-series
Switch POE Control	D-series, E-series
Link Aggregation Configuration	D-series, E-series
Spanning Tree Protocol (STP)	D-series, E-series
LLDP/MED	D-series, E-series
IGMP Snooping	D-series, E-series
802.1x Authentication (Port-based, MAC-based, MAB)	D-series, E-series
Syslog Collection	D-series, E-series
DHCP Snooping	Not supported on FS-1xxE Series
Device Detection	D-series, E-series
Support FortiLink FortiGate in HA Cluster	D-series, E-series
LAG support for FortiLink Connection	D-series, E-series
Active-Active MCLAG from FortiGate to FortiSwitch units for Advanced Redundancy	Not supported on FS-1xx Series
sFlow	Not supported on FS-1xxE Series
Dynamic ARP Inspection (DAI)	D-series, E-series
Port Mirroring	D-series, E-series
RADIUS Accounting	D-series, E-series
Centralized Configuration	D-series, E-series

FortiLink Features	FortiSwitch Models
Access VLAN	D-series, E-series
STP BDPU Guard, Root Guard, Edge Port	D-series, E-series
Loop Guard	D-series, E-series
Switch admin Password	D-series, E-series
Storm Control	D-series, E-series
802.1x-Authenticated Dynamic VLAN Assignment	D-series, E-series
Host Quarantine on Switch Port	D-series, E-series
QoS	Not supported on FS-1xxE Series and FSR-112D-POE
Centralized Firmware Management	D-series, E-series
Automatic network detection and configuration	D-series, E-series
Dynamic VLAN assignment by group name	D-series, E-series
Sticky MAC addresses	D-series, E-series
NetFlow and IPFIX flow tracking and export	D-series, E-series
FortiSwitch split ports	FS-524D, FS-524D-FPOE, FS-548D, FS-548D-FPOE, FS-1048E, FS-3032D, and FS-3032E
Encapsulated remote switched port analyzer (ERSPAN)	FS-2xx and higher
MSTP instances	D-series, E-series
NOTE: In FortiLink mode, the FortiGate unit supports 1-14 instances for all platforms.	
QoS statistics	D-series, E-series
Configuring SNMP through FortiLink	D-series, E-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

Upgrade information

FortiSwitchOS 6.2.7 supports upgrading from FortiSwitchOS 3.5.0 and later.

To upgrade, refer to the FortiOS upgrade path at <https://support.fortinet.com/Download/FirmwareImages.aspx>.

Cooperative Security Fabric upgrade

FortiOS 5.4.1 greatly increases the interoperability between other Fortinet products. This includes:

- FortiClient 5.4.1
- FortiClient EMS 1.0.1
- FortiAP 5.4.1
- FortiSwitch 3.4.2

The upgrade of the firmware for each product must be completed in a precise order so the network connectivity is maintained without the need of manual steps. Customers must read the following two documents prior to upgrading any product in their network:

- *Cooperative Security Framework - Upgrade Guide*
- *FortiOS 5.4.0 to 5.4.1 Upgrade Guide for Managed FortiSwitch Devices*

This document is available in the Customer Support Firmware Images download directory for FortiSwitch 3.4.2.

Product integration and support

FortiSwitchOS 6.2.7 support

The following table lists FortiSwitchOS 6.2.7 product integration and support information.

Web browser	<ul style="list-style-type: none">• Mozilla Firefox version 52• Google Chrome version 56 <p>Other web browsers may function correctly, but are not supported by Fortinet.</p>
FortiOS (FortiLink Support)	Refer to the FortiLink Compatibility table to find which FortiSwitchOS versions support which FortiOS versions.

Resolved issues

The following issues have been fixed in FortiOS 6.2.8. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
667863	The GUI does not display FortiSwitch ports when multiple FortiLink interfaces are configured. FortiOS 6.4.0 and later supports multiple FortiLink configurations in the GUI.
700842	FortiSwitch MAC-delete events are not included in the logs.

Known issues

The following known issues have been identified with FortiOS 6.2.8. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
298348, 298994	Enabling the <code>hw-switch-ether-filter</code> command on the FG-92D model (the default setting) causes FortiSwitch devices to not be discovered.
586801	NetBIOS stops working when proxy ARP is configured and the access VLAN is enabled because FortiGate units do not support NetBIOS proxy.
588584	The GUI does not support using the switch VLAN interface under a tenant VDOM on a managed-switch VDOM.
605864	If FortiOS 6.2.3 is downgraded to 6.2.2, the FortiLink interface loses its CAPWAP setting.



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