

FortiSwitch - Release Notes

VERSION 3.4.3

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FortiSwitch 3.4.3 Release Notes

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Change Log

Date	Change Description
2016-08-23	Initial release.

Introduction

This document provides the following information for FortiSwitch 3.4.3 build 0193:

- Supported models
- Special Notices
- Upgrade Information
- Product Integration and Support
- Resolved Issues
- Known Issues

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

Supported models

FortiSwitch 3.4.3 supports the following models:

FortiSwitch	FSW-108D-POE, FSW-124D, FSW-124D-POE, FSW-224D-POE, FSW-224D-FPOE, FSW-248D-POE, FSW-248D-FPOE, FSW-424D, FSW-424D-POE, FSW-424D-FPOE, FSW-448D, FSW-448D-POE, FSW-448D-FPOE, FSW-524D, FSW-524D-FPOE, FSW-548D, FSW-548D-FPOE, FSW-1024D, FSW-1048D, FSW-3032D
FortiSwitch Rugged	FSW-R-112D-POE, FSW-R-124D



The following models are released on a special branch based off FortiSwitch 3.4.3.

FSW-248D

is released on build number 4064.

What's new in 3.4.3

There are no new enhancements to FortiSwitch 3.4.3.

Special Notices

Features

Features support per model.

FortiSwitch 100

Feature	FSW-108D-POE	FSW-R-112D-FPOE	FSW-124D	FSW-124D-POE	FSW-R-124D
802.1x MAC base security mode	✓	✓	✓	✓	✓
48 port lag support					
Auto module max speed detection & notification					
IP conflict detection & notification	✓	✓	✓	✓	✓
MAC-IP Binding					
Static BFD			✓	✓	✓
HW based ECMP					
LLDP transmit	✓	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓	✓

Feature	FSW-108D- POE	FSW-R-112D- FPOE	FSW-124D	FSW-124D- POE	FSW-R-124D
ACL			✓	✓	✓
Static L3/HW based routing			✓	✓	✓
Software Routing Only	✓	✓			
CPLD Software Upgrade Support for OS					
POE-pre-standard detection	✓	✓		✓	
vlan tag by ACL			✓	✓	✓
Virtual Wire			✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓
HTTP REST APIs	✓	✓	✓	✓	✓

FortiSwitch 200

Feature	FSW-224D- POE	FSW-224D- FPOE	FSW-248D	FSW-248D- POE	FSW-248D- FPOE
802.1x MAC base security mode	✓	✓	✓	✓	✓
48 port lag support			✓	✓	✓
Auto module max speed detection & notification					
IP conflict detection & notification	✓	✓	✓	✓	✓

Feature	FSW-224D- POE	FSW-224D- FPOE	FSW-248D	FSW-248D- POE	FSW-248D- FPOE
MAC-IP Bind- ing					
Static BFD		✓	✓	✓	✓
HW based ECMP					
LLDP transmit	✓	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓	✓
LAG min-max- bundle	✓	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓	✓
ACL		✓	✓	✓	✓
Static L3/HW based routing		✓	✓	✓	✓
Software Rout- ing Only	✓				
CPLD Software Upgrade Sup- port for OS					
POE-pre-stand- ard detection	✓	✓		✓	✓
vlan tag by ACL		✓	✓	✓	✓
Virtual Wire		✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓
HTTPS REST APIs	✓	✓	✓	✓	✓

FortiSwitch 400

Feature	FWS-424D	FWS-424D- POE	FWS-424D- FPOE	FWS-448D	FWS-448D- POE	FWS-448D- FPOE
802.1x MAC base security mode	✓	✓	✓	✓	✓	✓
48 port lag support						
Auto module max speed detection & notification	✓	✓	✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓	✓	✓
MAC-IP Binding						
Static BFD	✓	✓	✓	✓	✓	✓
HW based ECMP						
LLDP transmit	✓	✓	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓	✓	✓
ACL	✓	✓	✓	✓	✓	✓
Static L3/HW based routing	✓	✓	✓	✓	✓	✓
Software Routing Only						

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
CPLD Software Upgrade Support for OS						
POE-pre-standard detection		✓	✓		✓	✓
vlan tag by ACL	✓	✓	✓	✓	✓	✓
Virtual Wire	✓	✓	✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓	✓
HTTP REST API	✓	✓	✓	✓	✓	✓

FortiSwitch 500

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
802.1x MAC base security mode	✓	✓	✓	✓
48 port lag support			✓	✓
Auto module max speed detection & notification	✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓
MAC-IP Binding	✓	✓	✓	✓
Static BFD	✓	✓	✓	✓
HW based ECMP	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
SFLOW	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓
ACL	✓	✓	✓	✓
Static L3/HW based routing	✓	✓	✓	✓
Software Routing Only				
CPLD Software Upgrade Support for OS				
POE-pre-standard detection		✓		✓
vlan tag by ACL	✓	✓	✓	✓
Virtual Wire	✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓
HTTP REST APIs	✓	✓	✓	✓

FortiSwitch 1000

Feature	FSW-1024D	FSW-1048D
802.1x MAC base security mode	✓	✓
48 port lag support		✓
Auto module max speed detection & notification	✓	✓
IP conflict detection & notification	✓	✓
MAC-IP Binding	✓	✓
Static BFD	✓	✓
HW based ECMP	✓	✓

Feature	FWS-1024D	FWS-1048D
LLDP transmit	✓	✓
Loop-guard	✓	✓
LAG min-max-bundle	✓	✓
SFLOW	✓	✓
Storm Control	✓	✓
ACL	✓	✓
Static L3/HW based routing	✓	✓
Software Routing Only		
CPLD Software Upgrade Support for OS	✓	✓
POE-pre-standard detection		
vlan tag by ACL	✓	✓
Virtual Wire	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓
HTTP REST APIs	✓	✓

FortiSwitch 3000

Feature	FWS-3032D
802.1x MAC base security mode	✓
48 port lag support	
Auto module max speed detection & notification	
IP conflict detection & notification	✓
MAC-IP Binding	✓
Static BFD	✓
HW based ECMP	✓

Feature	FSW-3032D
LLDP transmit	✓
Loop-guard	✓
LAG min-max-bundle	✓
SFLOW	✓
Storm Control	✓
ACL	✓
Static L3/HW based routing	✓
Software Routing Only	
CPLD Software Upgrade Support for OS	
POE-pre-standard detection	
vlan tag by ACL	✓
Virtual Wire	✓
vlan tag by MAC/IP/802.1x	✓
HTTP REST APIs	✓

Connecting multiple FSW-R-112D-POE switches

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

Upgrade Information

FortiSwitch 3.4.3 supports upgrading from FortiSwitch 3.2.0 and later.

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

FortiSwitch 3.4.3 support

The following table lists 3.4.3 product integration and support information.

Web browser	<ul style="list-style-type: none">• Microsoft Internet Explorer version 10, 11• Mozilla Firefox version 38• Google Chrome version 43 <p>Other web browsers may function correctly, but are not supported by Fortinet.</p>
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**FortiOS
(FortiLink Support)**

- 5.4.1 and later
FortiSwitch must be upgraded first before upgrading FortiOS. Please read the *Upgrade Information > Cooperative Security Fabric Upgrade* section in this document.
- 5.4.0
FortiSwitch models: FSW-108D-POE, FSW-124D, FSW-124D-POE, FSW-224D-POE, FSW-224D-FPOE, FSW-248D-POE, FSW-248D-FPOE, FSW-424D, FSW-424D-POE, FSW-424D-FPOE, FSW-448D, FSW-448D-POE, FSW-448D-FPOE, FSW-524D, FSW-524D-FPOE, FSW-548D, FSW-548D-FPOE, FSW-1024D, FSW-1048D, FSW-3032D, FSR-112D-POE

FortiGate models: FG-60D, FG-60D-POE, FG-90D, FG-90-POE, FG-100D, FG-140D, FG-140D-POE, FG-140D-POE-T1, FG-200D, FG-240D, FG-280D, FG-280D-POE, FG-600C, FG-800C, FG-1000C, FG-1500D, FG-1200D, FG-3700D, FG-3700DX

FortiWiFi models: FWF-60D, FWF-60D-POE, FWF-90D, FWF-90D-POE
- 5.2.3 and later
FortiSwitch models: FSW-108D-POE, FSW-124D, FSW-124D-POE, FSW-224D-POE, FSW-224D-FPOE, FSR-112D-POE

FortiGate models: FG-60D, FG-90D, FG-100D, FG-140D, FG-200D, FG-240D, FG-280D, FG-600C, FG-800C, FG-1000C, FG-60D-POE, FG-90D-POE, FG-140D-POE, FG-140D-POE-T1, FG-280D-POE

FortiWiFi models: FWF-60D, FWF-60D-POE, FWF-90D, FWF-90D-POE
- 5.2.2
FortiSwitch models: FSW-224D-POE

FortiGate models: FG-90D, FG-90D-POE, FG-100D, FG-140D, FG-140D-POE, FG-140D-POE-T1, FG-200D, FG-240D, FG-280D, FG-280D-POE, FG-600C, FG-800C, FG-1000C

FortiWiFi models: FWF-90D, FWF-90D-POE

Resolved Issues

The following issues have been fixed in 3.4.3. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
371740	FortiLink interfaces disconnect and reconnect when the connected to a FortiGate device performing a failover or when a standalone FortiGate device reboots.

Common Vulnerabilities and Exposures

Bug ID	Description
384292	FortiSwitch 3.4.3 is no longer vulnerable to the following CVE References: <ul style="list-style-type: none">• 2016-6909 Please visit https://fortiguard.com/psirt for more information.

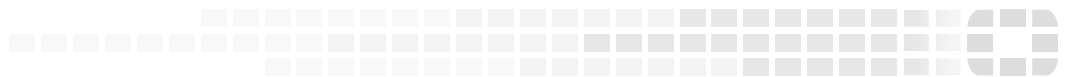
Known Issues

The following known issues have been identified with 3.4.3. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
365511	You may not be able to enter more than 36 characters for allowed VLANs in the GUI.
365856	Static route priority and weight settings may not work as expected.
363637	Speed of QSFP may be set to <i>Auto</i> when connected to a FortiGate. Workaround: Manually set the speed to 40G.
368625	Failed to configure STP/VLAN and other settings from Fortilink if <code>https</code> is disallowed. Workaround: Enable <code>httpsd allowaccess</code> on FortiSwitch internal interface.
369610	<code>dhcpcd</code> may crash when in FortiLink mode.
379991	RPS LED may not work on FS224D-FPOE.



High Performance Network Security



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