

FortiSwitch - Release Notes

VERSION 3.4.0

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FortiSwitch 3.4.0 Release Notes

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Change Log

Date	Change Description
2016-03-15	Initial release.
2016-03-22	Added 357042 to Resolved Issues.

Introduction

This document provides the following information for FortiSwitch 3.4.0 build 0177:

- [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 3.4.0 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

What's new in 3.4.0

The following is a list of enhancements in FortiSwitch 3.4.0:

Added the following support:

- `ip-mac binding` on FSW-5xx series
- 100M on SFP ports on 112D-POE
- CPLD software upgrade on 1024D and 1048D
- Enable/disable netconsole on FS108D-POE
- Change POE guard band
- Staged image upgrade
- Untagged VLAN setting on switch interface
- Virtual Wire feature
- STP, LAG, Loop-guard, storm-control, and LLDP in FortiLink mode

- Radius admin user `accprofile-override`
- VLAN assignment based on MAC/IP/ACL /802.1X Radius
- HTTP REST APIs for Configuration and Monitoring

Special Notices

Features

Features support per model.

FortiSwitch 100

Feature	FSW-108D-POE	FSW-R-112D-FPOE	FSW-124D	FSW-124D-POE
802.1x MAC base security mode	✓	✓	✓	✓
48 port lag support				
Auto module max speed detection & notification				
IP conflict detection & notification	✓	✓	✓	✓
MAC-IP Binding				
HW based ECMP				
LLDP transmit	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓
ACL			✓	✓
Static L3/HW based routing			✓	✓
Software Routing Only	✓	✓		

Feature	FWS-108D-POE	FWS-R-112D-FPOE	FWS-124D	FWS-124D-POE
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	FWS-224D-POE	FWS-224D-FPOE	FWS-248D-POE	FWS-248D-FPOE
802.1x MAC base security mode	✓	✓	✓	✓
48 port lag support			✓	✓
Auto module max speed detection & notification				
IP conflict detection & notification	✓	✓	✓	✓
MAC-IP Binding				
HW based ECMP				
LLDP transmit	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓

Feature	FSW-224D-POE	FSW-224D-FPOE	FSW-248D-POE	FSW-248D-FPOE
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	✓	✓	✓	✓
HTTPS REST APIs	✓	✓	✓	✓

FortiSwitch 400

Feature	FSW-424D	FSW-424D-POE	FSW-424D-FPOE	FSW-448D	FSW-448D-POE	FSW-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						

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
HW based ECMP						
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 API	✓	✓	✓	✓	✓	✓

FortiSwitch 500

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
802.1x MAC base security mode	✓	✓	✓	✓

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
48 port lag support			✓	✓
Auto module max speed detection & notification	✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓
MAC-IP Binding	✓	✓	✓	✓
HW based ECMP	✓	✓	✓	✓
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 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	✓	✓
HW based ECMP	✓	✓
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	FSW-3032D
802.1x MAC base security mode	✓
48 port lag support	
Auto module max speed detection & notification	
IP conflict detection & notification	✓
MAC-IP Binding	✓
HW based ECMP	✓
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 3.4.0 supports upgrading from FortiSwitch 3.2.0 and above.

Product Integration and Support

FortiSwitch 3.4.0 support

The following table lists 3.4.0 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>
FortiOS (FortiLink Support)	<ul style="list-style-type: none">• 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• 5.2.2 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• 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

Resolved Issues

The following issues have been fixed in 3.4.0. For inquiries about a particular bug, please contact [Customer Service & Support](#).

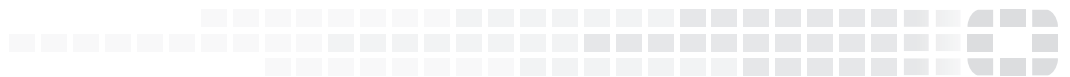
Bug ID	Description
269737	GUI cannot display switch MAC forwarding table with a large number of mac-addresses.
273444	Packets sent and received count for 40G port on switch panel wraparound have a negative value.
279123	Cannot connect when 100full/10full connects to auto.
283179	Cannot configure sflow attributes on GUI.
283860	QSFP transceivers are reported as 10G by the FortiSwitch modules' object.
285231	Newly created admin has no views for several pages under monitor.
285841	Some switches identified on a Cisco phone as 802.3AF PD instead of Pre-Standard PD.
286571	The host is no longer reachable after changing the host IP and moving to another port on a different VLAN.
290059	Power consumption of port goes over the defined max power.
291047	Not able to ping device after setting the <code>mgmt interface</code> to down and up.
293552	FortiSwitch and system interface SNMP index are not persistent.
293616	Enable <code>auto-fortilink-discovery</code> on the last certain number RJ45 ports.
293896	Save the switch config when changing to FortiLink mode.
294505	STP port cost is removed after rebooting.
296902	Packets generated by CPU are dropped in the ECMP routes when the gateway is down.
297584	POE-pre standard is enabled from the disable settings after rebooting.
307705	LLDP entry do not expire after TTL if no LLDP packets are received.

Bug ID	Description
357042	FortiSwitch may take longer than expected to connect to FortiGate because of <code>dhcpcd restart</code> after rebooting.

Known Issues

The following issues have been identified with 3.4.0. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
356126	Failed to set <code>switch-storm-control rate to 1</code> .
356764	802.1x vlan assignment may be tagged.
301262	<code>get switch poe inline</code> command may not work as expected.



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