



FortiSwitch - Release Notes

3.6.1

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November 8, 2018

FortiSwitch 3.6.1 Release Notes

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Change Log

Date	Change Description
June 23, 2017	Initial release.
July 5, 2017	Changed the FortiSwitch 200 table to show that FSW-224D-POE does not support Multi-Chassis Link Aggregation.
September 18, 2018	Added bug 510943 to the “Known Issues” section.
November 8, 2019	Added bug 593993 to the “Known Issues” section.

Introduction

This document provides the following information for FortiSwitch 3.6.1 build: 0372.

- 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 3.6.1 supports the following models:

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

What's new in 3.6.1

FortiSwitch 3.6.1 is a patch release only. No new feature or enhancement has been implemented in this release.

Special Notices

Supported Features

Features support by model.

FortiSwitch 100

Feature	FSW-108D-POE	FSR-112D-POE	FSW-124D	FSW-124D-POE	FSR-124D
48 port lag support					
801. 1x port mode	✓	✓	✓	✓	✓
802. 1x MAC base security mode			✓	✓	✓
ACL			✓	✓	✓
Auto module max speed detection & notification					
CPLD Software Upgrade Support for OS					
DHCP relay feature			✓	✓	✓
DHCP Snooping			✓	✓	✓
HTTP REST APIs	✓	✓	✓	✓	✓
HW based ECMP					

Feature	FSW-108D- POE	FSR--112D- POE	FSW-124D	FSW-124D- POE	FSR-124D
IGMP Snooping			✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓	✓
LLDP-MED	✓	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓	✓
IP-MAC Binding					
POE-pre-standard detection	✓	✓		✓	
QOS: 802.1p support			✓	✓	✓
SFLOW	✓	✓	✓	✓	✓
Software Routing Only	✓	✓			
Static BFD			✓	✓	✓
Static L3/HW based routing			✓	✓	✓
Storm Control	✓	✓	✓	✓	✓
Virtual Wire			✓	✓	✓
vlan tag by ACL			✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓

Feature	FSW-108D- POE	FSR--112D- POE	FSW-124D	FSW-124D- POE	FSR-124D
Implement Switch SNMP OID	✓	✓	✓	✓	✓
Support QSFP to 4*SFP splitter cable	✓	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓	✓
Multi-Chassis Link Aggregation					
Dynamic L3 Protocols (OSPF, RIP, VRRP)					
Dynamic ARP Inspection			✓	✓	✓
Firmware Image Rotation (Dual firmware image support)		✓	✓	✓	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support			✓	✓	✓
Per-VAN MAC Learning Limit			✓	✓	✓
Sticky MAC on Switch Interfaces			✓	✓	✓
POE Modes support	✓	✓	✓	✓	✓

Feature	FSW-108D-POE	FSR--112D-POE	FSW-124D	FSW-124D-POE	FSR-124D
ACL: Egress Mask Action support			✓	✓	✓
Monitor System Temperature	✓	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓	✓	✓	✓
Selective Packet Sampling to CPU			✓	✓	✓
Add CLI to show extended port statistics	✓	✓	✓	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓	✓	✓	✓

FortiSwitch 200

Feature	FSW-224D-POE	FSW-224D-FPOE	FSW-248D	FSW-248D-POE	FSW-248D-FPOE
48 port lag support			✓	✓	✓
802.1x port mode	✓	✓	✓	✓	✓
802.1x MAC base security mode		✓	✓	✓	✓
ACL		✓	✓	✓	✓

Feature	FSW-224D-POE	FSW-224D-FPOE	FSW-248D	FSW-248D-POE	FSW-248D-FPOE
Auto module max speed detection & notification					
CPLD Software Upgrade Support for OS					
DHCP relay feature		✓	✓	✓	✓
DHCP Snooping		✓	✓	✓	✓
HTTPS REST APIs	✓	✓	✓	✓	✓
HW based ECMP					
IGMP Snooping		✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓	✓
LLDP-MED	✓	✓	✓		✓
Loop-guard	✓	✓	✓	✓	✓
MAC-IP Binding					
POE-pre-standard detection	✓	✓		✓	✓
QOS: 802.1p support		✓	✓	✓	✓
SFLOW	✓	✓	✓	✓	✓

Feature	FSW-224D-POE	FSW-224D-FPOE	FSW-248D	FSW-248D-POE	FSW-248D-FPOE
Software Routing Only	✓				
Static BFD		✓	✓	✓	✓
Static L3/HW based routing		✓	✓	✓	✓
Storm Control	✓	✓	✓	✓	✓
Virtual Wire		✓	✓	✓	✓
vlan tag by ACL		✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓
Implement Switch SNMP OID	✓	✓	✓	✓	✓
Support QSFP to 4*SFP splitter cable	✓	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓	✓
Multi-Chassis Link Aggregation		✓	✓	✓	✓
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓	✓	✓	✓	✓
Dynamic ARP Inspection	✓	✓	✓	✓	✓
Firmware Image Rotation (Dual firmware image support)		✓	✓	✓	✓

Feature	FSW-224D-POE	FSW-224D-FPOE	FSW-248D	FSW-248D-POE	FSW-248D-FPOE
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓	✓	✓	✓	✓
Per-VAN MAC Learning Limit	✓	✓	✓	✓	✓
Sticky MAC on Switch Interfaces	✓	✓	✓	✓	✓
POE Modes support	✓	✓	✓	✓	✓
ACL: Egress Mask Action support	✓	✓		✓	✓
Monitor System Temperature	✓	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓	✓	✓	✓
Selective Packet Sampling to CPU	✓	✓	✓	✓	✓
Add CLI to show extended port statistics	✓	✓	✓	✓	✓
Display Progress (%) during Firmware Upgrade.	✓	✓	✓	✓	✓

FortiSwitch 400

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
48 port lag support						
802.1x port mode	✓	✓	✓	✓	✓	✓
802.1x MAC base security mode	✓	✓	✓	✓	✓	✓
ACL	✓	✓	✓	✓	✓	✓
Auto module max speed detection & notification	✓	✓	✓	✓	✓	✓
CPLD Software Upgrade Support for OS						
DHCP relay feature	✓	✓	✓	✓	✓	✓
DHCP Snooping	✓	✓	✓	✓	✓	✓
HTTP REST API	✓	✓	✓	✓	✓	✓
HW based ECMP						
IGMP Snooping	✓	✓	✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓	✓	✓
LAG min-max-bundle	✓	✓	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓	✓	✓

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
LLDP-MED	✓	✓	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓	✓	✓
MAC-IP Bind- ing						
POE-pre-stand- ard detection		✓	✓		✓	✓
QOS: 802.1p support	✓	✓	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓	✓	✓
Software Rout- ing Only						
Static BFD	✓	✓	✓	✓	✓	✓
Static L3/HW based routing	✓	✓	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓	✓	✓
Virtual Wire	✓	✓	✓	✓	✓	✓
vlan tag by ACL	✓	✓	✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓	✓	✓
Implement Switch SNMP OID	✓	✓	✓	✓	✓	✓
Support QSFP to 4*SFP split- ter cable	✓	✓	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓	✓	✓
Multi-Chassis Link Aggreg- ation	✓	✓	✓	✓	✓	✓

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓	✓	✓	✓	✓	✓
Dynamic ARP Inspection	✓	✓	✓	✓	✓	✓
Firmware Image Rotation (Dual firmware image support)	✓	✓	✓	✓	✓	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓	✓	✓	✓	✓	✓
Per-VAN MAC Learning Limit	✓	✓	✓	✓	✓	✓
Sticky MAC on Switch Interfaces	✓	✓	✓	✓	✓	✓
POE Modes support	✓	✓	✓	✓	✓	✓
ACL: Egress Mask Action support	✓	✓		✓	✓	✓
Monitor System Temperature	✓	✓	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓	✓	✓	✓	✓

Feature	FSW-424D	FSW-424D- POE	FSW-424D- FPOE	FSW-448D	FSW-448D- POE	FSW-448D- FPOE
Selective Packet Sampling to CPU	✓	✓	✓	✓	✓	✓
Add CLI to show extended port statistics	✓	✓	✓	✓	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓	✓	✓	✓	✓

FortiSwitch 500

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
48 port lag support			✓	✓
802.1x port mode	✓	✓	✓	✓
802.1x MAC base security mode	✓	✓	✓	✓
ACL	✓	✓	✓	✓
Auto module max speed detection & notification	✓	✓	✓	✓
CPLD Software Upgrade Support for OS				
DHCP relay feature	✓	✓	✓	✓
DHCP Snooping	✓	✓	✓	✓
HTTP REST APIs	✓	✓	✓	✓
HW based ECMP	✓	✓	✓	✓
IGMP Snooping	✓	✓	✓	✓
IP conflict detection & notification	✓	✓	✓	✓

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
LAG min-max-bundle	✓	✓	✓	✓
LLDP transmit	✓	✓	✓	✓
LLDP-MED	✓	✓	✓	✓
Loop-guard	✓	✓	✓	✓
MAC-IP Binding	✓	✓	✓	✓
POE-pre-standard detection		✓		✓
QOS: 802.1p support	✓	✓	✓	✓
SFLOW	✓	✓	✓	✓
Software Routing Only				
Static BFD	✓	✓	✓	✓
Static L3/HW based routing	✓	✓	✓	✓
Storm Control	✓	✓	✓	✓
Virtual Wire	✓	✓	✓	✓
vlan tag by ACL	✓	✓	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓	✓	✓
Implement Switch SNMP OID	✓	✓	✓	✓
Support QSFP to 4*SFP splitter cable	✓	✓	✓	✓
Support per port MAC-limit	✓	✓	✓	✓
Multi-Chassis Link Aggregation	✓	✓	✓	✓

Feature	FSW-524D	FSW-524D-FPOE	FSW-548D	FSW-548D-FPOE
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓	✓	✓	✓
Dynamic ARP Inspection	✓	✓	✓	✓
Firmware Image Rotation (Dual firmware image support)	✓	✓	✓	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓	✓	✓	✓
Per-VAN MAC Learning Limit	✓	✓	✓	✓
Sticky MAC on Switch Interfaces	✓	✓	✓	✓
POE Modes support	✓	✓	✓	✓
ACL: Egress Mask Action support	✓	✓	✓	✓
Monitor System Temperature	✓	✓	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓	✓	✓
Selective Packet Sampling to CPU	✓	✓	✓	✓
Add CLI to show extended port statistics	✓	✓	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓	✓	

FortiSwitch 1000

Feature	FSW-1024D	FSW-1048D
48 port lag support		✓
802.1x port mode	✓	✓
802.1x MAC base security mode	✓	✓
ACL	✓	✓
Auto module max speed detection & notification	✓	✓
CPLD Software Upgrade Support for OS	✓	✓
DHCP relay feature	✓	✓
DHCP Snooping	✓	✓
HTTP REST APIs	✓	✓
HW based ECMP	✓	✓
IGMP Snooping	✓	✓
IP conflict detection & notification	✓	✓
LAG min-max-bundle	✓	✓
LLDP transmit	✓	✓
LLDP-MED	✓	✓
Loop-guard	✓	✓
MAC-IP Binding	✓	✓
POE-pre-standard detection		
QOS: 802.1p support	✓	✓
SFLOW	✓	✓
Software Routing Only		
Static BFD	✓	✓
Static L3/HW based routing	✓	✓

Feature	FSW-1024D	FSW-1048D
Storm Control	✓	✓
Virtual Wire	✓	✓
vlan tag by ACL	✓	✓
vlan tag by MAC/IP/802.1x	✓	✓
Implement Switch SNMP OID	✓	✓
Support QSFP to 4*SFP splitter cable		✓
Support per port MAC-limit	✓	✓
Multi-Chassis Link Aggregation	✓	✓
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓	✓
Dynamic ARP Inspection	✓	✓
Firmware Image Rotation (Dual firmware image support)	✓	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓	✓
Per-VAN MAC Learning Limit	✓	✓
Sticky MAC on Switch Interfaces	✓	✓
POE Modes support	✓	✓
ACL: Egress Mask Action support	✓	✓
Monitor System Temperature	✓	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓	✓
Selective Packet Sampling to CPU	✓	✓
Add CLI to show extended port statistics	✓	✓
CLI display progress (%) during firmware upgrade	✓	✓

FortiSwitch 3000

Feature	FSW-3032D
48 port lag support	
802.1x port mode	✓
802.1x MAC base security mode	✓
ACL	✓
Auto module max speed detection & notification	
CPLD Software Upgrade Support for OS	
DHCP relay feature	✓
DHCP Snooping	✓
HTTP REST APIs	✓
HW based ECMP	✓
IGMP Snooping	✓
IP conflict detection & notification	✓
LAG min-max-bundle	✓
LLDP transmit	✓
LLDP-MED	✓
Loop-guard	✓
MAC-IP Binding	✓
POE-pre-standard detection	
QOS: 802.1p support	✓
SFLOW	✓
Software Routing Only	
Static BFD	✓
Static L3/HW based routing	✓

Feature	FSW-3032D
Storm Control	✓
Virtual Wire	✓
vlan tag by ACL	✓
vlan tag by MAC/IP/802.1x	✓
Implement Switch SNMP OID	✓
Support QSFP to 4*SFP splitter cable	✓
Support per port MAC-limit	✓
Multi-Chassis Link Aggregation	✓
Dynamic L3 Protocols (OSPF, RIP, VRRP)	✓
Dynamic ARP Inspection	✓
Firmware Image Rotation (Dual firmware image support)	✓
Time-Domain Reflectometer (TDR)/Cable Diagnostics Support	✓
Per-VAN MAC Learning Limit	✓
Sticky MAC on Switch Interfaces	✓
POE Modes support	✓
ACL: Egress Mask Action support	✓
Monitor System Temperature	✓
'forced-untagged' or 'force-tagged' setting on Switch Interfaces	✓
Selective Packet Sampling to CPU	✓
Add CLI to show extended port statistics	✓
CLI display progress (%) during firmware upgrade	✓

Default Flow-Control state changed to disable

This change allows a port to ignore the pause frame it receives. You can still enable flow control on a port if so desired by using the following CLI commands:

To enable flow control on *both* RX and TX:

```
S548DN4K16000360 # config switch physical-port
S548DN4K16000360 (physical-port) # edit port9
S548DN4K16000360 (port9) # set flow-control both
```

To enable flow control on RX only:

```
S548DN4K16000360 # config switch physical-port
S548DN4K16000360 (physical-port) # edit port9
S548DN4K16000360 (port9) # set flow-control rx
```

To enable flow control on TX only:

```
S548DN4K16000360 # config switch physical-port
S548DN4K16000360 (physical-port) # edit port9
S548DN4K16000360 (port9) # set flow-control tx
```

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 3.6.1 supports upgrading from FortiSwitch 3.5.0 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 3.6.1 support

The following table lists 3.6.1 product integration and support information.

Web browser	<ul style="list-style-type: none">• Microsoft Internet Explorer version 11• Mozilla Firefox version 52• Google Chrome version 56 <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 3.6.1. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
437482	When the 3.6.0 FortiSwitchOS CLI is used to upgrade the BIOS, the FortiSwitch becomes completely nonfunctional.

Known Issues

The following known issues have been identified with 3.6.1. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
393845	Newly created static MAC address may not be get added in MAC address table when 802.1x feature is enabled on same interface.
393186	FSW does NOT allow timezones 00, 76, 82 and 86.
410200	802.1x: VLAN programming received from a RADIUS server can be overwritten by CLI configuration. Workaround: Do NOT manually change the VLAN assignment on a port that is in an authentication state.
391607	Switch does not send gratuitous ARP for IP conflict when the system boots up and adds a new switch virtual interface (SVI).
414972	IGMP Snooping may not work correctly when used with 802.1x Dynamic VLAN functionality.
416655	IGMP Snooping may not work correctly when used with 802.1x Dynamic VLAN functionality.
417024	DHCP client lease time on PVLAN is inaccurate.
417073	DHCP MAC address client is learned on Primary VLAN instead of the isolated VLAN.
417099	The system shows no DAI stats entry on PVLAN ports.
422621	Enabling IGMP-Snooping on a VLAN would disable Layer-3 functions, for example, OSPF, RIP, and VRRP.
423161	The system is unable to ping two IPv6 neighbors using the VLAN system interface.
423940	In some cases, the MAC address and VLAN ID are shown (diagnostic command) twice on the same interface after splitting ports.
424096	(Access VLAN) A host in the same access VLAN can receive IGMP messages from other hosts.

Bug ID	Description
433900	<p>The pause frames may cause the switch to stop sending STP, LLDP, and LACP packets to other ports of the switch.</p> <p>Workaround: Disable flow-control on physical ports.</p>
434680	<p>If you have a sticky-MAC address on an interface which is moved to split-port mode, some entries may remain.</p> <p>Workaround: Clear sticky-MAC address before changing to split-port mode.</p>
434956	<p>(GUI_QOS) Egress policy may display '-1' as max-rate. Please verify your setting from CLI.</p>
380239	<p>IGMP-Snooped multicast groups are not immediately flushed out of the snooping table when the querier port is shut down.</p>
418204	<p>The DHCP Snooping feature creates an entry even if server sends DHCPNAK to the client.</p>
412091	<p>Although the FSW-224D-POE device can act as PSE (Power Sourcing Equipment) and a PD (Powered Device), Fortinet does not recommend using FSW-224D-POE as a PD because it might damage the connecting hardware or the FSW-224D-POE itself.</p> <p>Fortinet recommends not connecting the FSW-224D-POE Power over Ethernet (PoE) ports to another PSE. If you must connect FSW-224D-POE PoE ports to another PSE, manually disable the PoE (PSE) function on the connected port.</p>
510943	<p>When using the cable diagnostics feature on a port (with the <code>diagnose switch physical-ports cable-diag <physical port name></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.</p>
593993	<p>When the <code>switch-controller.global.https-image-upgrade</code> is enabled, the FS-108D-POE/FS-224D-POE might fail to upgrade.</p> <p>Workaround: Disable <code>https-image-upgrade</code>.</p>



High Performance Network Security



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