

FC-NPV and FCoE-NPV Supported Hardware

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Licensing Requirements

See the Cisco NX-OS Licensing Guide and Cisco NX-OS Licensing Options Guide for Cisco NX-OS licensing recommendations and instructions to obtain and apply licenses.

Supported Platforms

See the Nexus Switch Platform Support Matrix to know from which Cisco NX-OS releases various Cisco Nexus 9000 and 3000 switches support a selected feature.

FC-NPV and FCoE-NPV Supported Hardware

The following table list the Cisco Nexus 9000 Series hardware that the FC-NPV and FCoE-NPV features are supported.

To enable FC/FCoE NPV mode on Cisco Nexus 9000 series switches, you must configure **feature-set fcoe-npv**.

Note For more information about enabling SAN Switching mode on Cisco Nexus 9000 series switches, see the Cisco Nexus 9000 Series NX-OS SAN Switching Configuration Guide.

FC-NPV and FCoE-NPV Supported Hardware

Table 1: Cisco Nexus 9000 FC-NPV and FCoE-NPV Supported Hardware

Switches / Line cards	Model (PID)	FC NP Port	FCoE NP Port	FC Edge Port	FCoE Edge Port	FEX Support
Cisco Nexus 9300 Series Switches	N9K-C93180YC-EX	No	Yes	No	Yes	Yes
	N9K-C93180YC-FX	Yes	Yes	Yes	Yes	Yes
	N9K-C93360YC-FX2	Yes	Yes	Yes	Yes	No
	N9K-C9336C-FX2-E	Yes	Yes	Yes	Yes	No
Cisco Nexus 9504 and 9508 Switches	N9K-X9732C-EX	No	Yes	No	Yes	No
	N9K-X9736C-FX	No	Yes	No	Yes	No

FC-NPV and FCoE-NPV is supported on Cisco N9K-C9336C-FX2-E platform switches.

ISSU with with FCoE (Fiber Channel over Ethernet)/FC (Fiber Channel) NPV (N-port Virtualization) is supported on some Cisco Nexus 9000 switches. An ISSU allows you to upgrade the device software while the switch continues to forward traffic. You can perform an in-service software upgrade (ISSU), also known as a nondisruptive upgrade, for some Cisco Nexus 9000 switches. The default upgrade process is disruptive. Using the nondisruptive option helps ensure a nondisruptive upgrade. (See *Cisco Nexus 9000 Series NX-OS Software Upgrade and Downgrade Guide, Release 10.x* for a complete list of supported platforms).

Note Software Maintenance Upgrade (SMU) is not supported for FC and FCOE.

Table 2: ISSU Support Matrix

Switches / Line cards	Model (PID)	With FC/FCOE NPV	With ST FEX	With AA FEX
Cisco Nexus 9300 Series Switches	N9K-C93180YC-EX	Yes	No	No
	N9K-C93180YC-FX	Yes	Yes	No
	N9K-C93360YC-FX2	Yes	N/A	N/A
	N9K-C9336C-FX2-E	Yes	N/A	N/A
Cisco Nexus 9504 and 9508 Switches	N9K-X9464PX	Yes	Yes	No
	N9K-X9536PQ	Yes	Yes	No
	N9K-X9636PQ	Yes	Yes	No
	N9K-X9732C-EX	No	N/A	N/A
	N9K-X9736C-FX	No	N/A	N/A

FC-NPV is supported on N9k-C93180YC-FX and N9k-C93360YC-FX2 switches and only the following SFPs are supported:

- DS-SFP-FC8G-SW
- DS-SFP-FC16G-SW
- DS-SFP-FC32G-SW

FC-NPV is supported on N9K-C9336C-FX2-E switches and only the following QSFPs are supported:

- DS-SFP-4X32G-SW

FCoE-NPV supports the following FEX:

- N2K-B22HP-P
- N2K-B22IBM-P
- N2K-C2232PP
- N2K-C2348UPQ
- N9K-C93180YC-FX3



Note FCoE NPV with FEX is not supported on N9K-C9336C-FX2-E and N9K-C93360YC-FX2. N9K-C93180YC-FX3 FEX is supported only with N9K-C93180YC-FX switches.



Note FCoE is not supported on N9K-C93180YC-FX3. Beginning with Cisco NX-OS Release 10.3(1)F, FCoE with N9K-C93180YC-FX3 in FEX mode is supported only with the N9K-C93180YC-FX in NPV mode.

25G adapter QL41212H is supported on the following devices. However, when a vFC port is shut for more than 60 seconds, the FIP VLAN request retries may not be sent from the host due to a driver issue. For more information about the issue see: CSCvt83152.

- N9K-C93180YC-FX
- N9K-C93180YC-EX
- N9K-C93360YC-FX2
- N9K-C9336C-FX2-E

FC-NPV and FCoE-NPV Supported Hardware