



Product Bulletin

Cisco MDS SSN-16 Module, Cisco Nexus 5010/5020 8G FC Exp Module, Cisco Nexus FCoE license

Revision History

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This product bulletin informs NetApp sales and NetApp partners about new or changed NetApp® products or services.

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1. Summary

This product bulletin announces the availability of three new Cisco products as part of the December 2009 quote tool release:

- Cisco Storage Services Node (SSN) 16-port module for the MDS 9222i and 9500 platforms
- Cisco Nexus 5010/5020 6-port 8G FC Expansion Module
- Cisco Nexus 5010/5020 FCoE software license

The Cisco SSN-16 Module provides 16 ports of Fibre Channel over IP (FCIP) connectivity with four separate service engines for SAN extension, acceleration, and data encryption.

The 6-port 8G FC expansion module is designed for the Cisco Nexus platforms and offers 8G FC support to the Cisco Nexus 5010/5020 product line.

For customers with Cisco Nexus 5010/5020 platforms without FCoE, NetApp will now be offering the ability to purchase separate FCoE s/w licenses for both the Cisco Nexus 5010 and 5020.

NetApp continues to resell Cisco SMARTnet service for all Cisco switch products.

2. What's New?

The Cisco SSN-16 module provides a unified platform for deploying enterprise-class disaster recovery, business continuance, and intelligent fabric applications. The SSN-16 module hosts four independent service engines which can be individually or incrementally enabled as business requirements change, or be configured to run separate applications. The SSN-16 provides a platform for distributed fabric services such as Storage Media Encryption, I/O acceleration, and Fibre Channel over IP (FCIP) for remote SAN extension.

The Cisco Nexus 5010/5020 6-port 8G FC expansion module provides 8G Fibre Channel connectivity to the

Cisco Nexus 5000 product line. Please note that any Cisco Nexus 5010/5020 switch is required to have an activated FCoE license in order for the Fibre Channel ports on this expansion module to function.

Starting in the December 2009 quote tool release, NetApp will also offer separate FCoE software licenses for the Cisco Nexus 5010/5020 CEE switches. The Ethernet-only versions of the Cisco Nexus 5010/5020 were made available in the September 2009 quote tool release, and these FCoE s/w licenses will now enable a customer to upgrade their existing Cisco Nexus 5010/5020 with FCoE functionality.

3. Sales and Customer-Ready Tools (Training, SE, Customer Presentations, Datasheets, Sales Guides)

· [NetApp Sales](#)

· [NetApp Partners](#)

4. System Requirements

The latest Cisco support statements can be found at the [NetApp Fibre Channel Switch Support Matrix](#):

· [NetApp Support Matrix](#)

5. Product Information

Cisco16-port Storage Services Node



The Cisco SSN-16 module is designed for use with the MDS 9500 series directors as well as the MDS 9222i switch platform. Other than the limits of available slots in each MDS 9500 chassis type, there are no restrictions on the number of SSN-16 modules that can be configured into a chassis.

The Cisco SSN-16 Module provides 16 ports of Fibre Channel over IP (FCIP) connectivity with four separate service engines for SAN extension, acceleration, and data encryption. The four service engines each reflect four ports on the 16-port SSN module, and the applications can be mixed as desired between the following services:

- **FCIP for remote SAN extension**
 - Enables backup, remote replication, and other disaster-recovery services over WAN distances using open standards FCIP tunneling
 - Optimizes utilization of WAN resources by enabling hardware-based encryption compression, FCIP write acceleration, and FCIP tape read and write acceleration
- **Cisco I/O Acceleration feature**

- Optimizes utilization of Metro Area Network (MAN) resources for backup and replication by enabling hardware-based compression, Fibre Channel write acceleration, and Fibre Channel tape read and write acceleration
- Completely transparent, requires no fabric reconfiguration or rewiring
- **Cisco SME**
 - Secures data stored on heterogeneous tape drives and VTLs in a SAN environment using secure Advanced Encryption Standard (AES) 256-bit algorithms
 - Provides scaling of Cisco SME performance by enabling additional service engines on the SSN-16 module

Part Number	Description	Discount Category Code
X-DS-X9316-SSNK9-R5	Cisco,Module,95XX,9222i,16-Pt GE SSN-16,R5	C
X-DS-X9316-SSNK9-R5-C	Cisco,Module,95XX,9222i,16-Pt GE SSN-16,-C, R5	C
SW-M9222IOA	Cisco MDS 9222i,I/O Accelerator License	C
SW-M92EXTSSNK9	Cisco MDS 9200,SSN-16,SAN Extension License	C
SW-M92IOA184	Cisco MDS 9200,18/4,I/O Accelerator License	C
SW-M92IOASSN	Cisco MDS 9200,SSN-16,I/O Accelerator License	C
SW-M92SMESSNK9	Cisco MDS 9200,SSN-16,StorageMediaEncryp Lic	C
SW-M95EXTSSNK9	Cisco MDS 9500,SSN-16,SAN Extension License	C
SW-M95IOA184	Cisco MDS 9500,18/4,I/O Accelerator License	C
SW-M95IOASSN	Cisco MDS 9500,SSN-16,I/O Accelerator License	C
SW-M95SMESSNK9	Cisco MDS 9500,SSN-16,StorageMediaEncryp Lic	C

Cisco SMARTnet Service plan options

Customers have Cisco SMARTnet service options for the SSN-16 module and should also purchase an SSP license for the activated software applications. This license entitles them to Cisco SMARTnet customer support for the software applications.

The following table lists the Cisco SMARTnet support part numbers as of the date of this product bulletin. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
SVCVN-CON-OS-9316K	Cisco,HW Svc,Onsite 8x5xNBD,SSN-16	C

SVCVN-CON-OSE-9316K	Cisco,HW Svc,Onsite 8x5x4hr,SSN-16	C
SVCVN-CON-OSP-9316K	Cisco,HW Svc,Onsite 24x7x4hr,SSN-16	C
SVCVN-CON-PREM-9316K	Cisco,HW Svc,Onsite 24x7x2hr,SSN-16	C
SVCVN-CON-S2P-9316K	Cisco,HW Svc,AR 24x7x2hr,SSN-16	C
SVCVN-CON-SNT-9316K	Cisco,HW Svc,AR 8x5xNBD,SSN-16	C
SVCVN-CON-SNTE-9316K	Cisco,HW Svc,AR 8x5x4hr,SSN-16	C
SVCVN-CON-SNTP-9316K	Cisco,HW Svc,AR 24x7x4hr,SSN-16	C
SW-SSPVN-CON-SAU-2ESSN	Cisco SSP,MDS9200 Storage Media Encryp,SSN-16	C
SW-SSPVN-CON-SAU-2IO18	Cisco SSP,MDS 9200 I/O Accelerator,18/4	C
SW-SSPVN-CON-SAU-2IOSS	Cisco SSP,MDS 9200,I/O Accelerator,SSN-16	C
SW-SSPVN-CON-SAU-5ESSN	Cisco SSP,MDS9500 Storage Media Encryp,SSN-16	C
SW-SSPVN-CON-SAU-5IO18	Cisco SSP,MDS 9500 I/O Accelerator,18/4	C
SW-SSPVN-CON-SAU-5IOSS	Cisco SSP,MDS 9500,I/O Accelerator,SSN-16	C
SW-SSPVN-CON-SAU-92IOA	Cisco SSP, 9222i,I/O Accelerator	C

Cisco Nexus 5010/5020 6-port 8G FC Expansion Module



The 6-port 8G FC expansion module is designed for the Cisco Nexus platforms and offers 8G FC support to the Cisco Nexus 5010/5020 product line. It complements the three previously released expansion modules for the Cisco Nexus 5010/5020 series, and there are now four expansion module options:

- 6-port 10GbE and FCoE expansion module(X-N5K-M1600-R5)
- 4 x 10GbE/FCoE and 4 x 4/2/1 Gbps FC expansion module (X-N5K-M1404-R5)
- 8-port 4/2/1 Gbps FC expansion module (X-N5K-M1008-R5)
- 6-port 8/4/2 Gbps FC expansion module (X-N5K-M1060-R5)

The Cisco Nexus 5010 has one expansion module slot, and the Cisco Nexus 5020 has two slots. Any combination of the available expansion modules (or none) can be used within the Cisco Nexus 5010/5020 switches without restrictions.

Note that the Cisco Nexus 5010/5020 has to be licensed for FCoE in order for any of the expansion modules with FC ports to be activated. The 6-port 10GbE and FCoE expansion module (X-N5K-M1600-R5) is the only optional

module allowed without the FCoE license activated on the switch.

Part Number	Description	Discount Category Code
X-N5K-M1060-R5-C	Cisco,Module,N50XX 6-Port 8G FC,-C,R5	C
X-N5K-M1060-R5	Cisco,Module,N50XX 6-Port 8G FC,R5	C

Cisco SMARTnet Service plan options

Customers have Cisco SMARTnet service options for the 6-port 8 Gbps FC expansion module. This license entitles them to Cisco SMARTnet customer support. There are no NetApp SupportEdge Services (SES) options available for the Cisco Nexus 5010/5020 switches.

The following table lists the Cisco SMARTnet support part numbers as of the date of this product bulletin. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
SVCVN-CON-OS-N5060	Cisco,HW Svc,Onsite 8x5xNBD,50XX 6-Pt 8G FC	C
SVCVN-CON-OSE-N5060	Cisco,HW Svc,Onsite 8x5x4hr,50XX 6-Pt 8G FC	C
SVCVN-CON-OSP-N5060	Cisco,HW Svc,Onsite 24x7x4hr,50XX 6-Pt 8G FC	C
SVCVN-CON-PREM-N5060	Cisco,HW Svc,Onsite 24x7x2hr,50XX 6-Pt 8G FC	C
SVCVN-CON-S2P-N5060	Cisco,HW Svc,AR 24x7x2hr,50XX 6-Pt 8G FC	C
SVCVN-CON-SNT-N5060	Cisco,HW Svc,AR 8x5xNBD,50XX 6-Pt 8G FC	C
SVCVN-CON-SNTE-N5060	Cisco,HW Svc,AR 8x5x4hr,50XX 6-Pt 8G FC	C
SVCVN-CON-SNTP-N5060	Cisco,HW Svc,AR 24x7x4hr,50XX 6-Pt 8G FC	C

Cisco Nexus 5010/5020 FCoE software license

The Cisco Nexus 5010/5020 switches are available with or without the FCoE license. Separate part numbers exist for the switch chassis without FCoE. In the case of a customer purchasing a Cisco Nexus 5010/5020 switch without FCoE (X-N5K-C5010P-BF-E-R5-C or X-N5K-C5020P-BF-E-R5-C), there is now the option to activate FCoE via the following software licenses:

- FCoE license for Cisco Nexus 5010 (SW-N5010-SSK9)
- FCoE license for Cisco Nexus 5020 (SW-N5020-SSK9)

Note that the Cisco Nexus 5010/5020 has to be licensed for FCoE in order for any of the expansion modules with FC ports to be activated. The 6-port 10GbE and FCoE expansion module (X-N5K-M1600-R5) is the only optional module allowed without the FCoE license activated on the switch.

Part Number	Description	Discount Category Code
SW-N5010-SSK9	Cisco,FCoE License,N5010	C
SW-N5020-SSK9	Cisco,FCoE License,N5020	C

Cisco SMARTnet Service plan options

Customers have Cisco SMARTnet subscription service options for the FCoE software licenses. There are no NetApp SupportEdge Services (SES) options available for the Cisco Nexus 5010/5020 switches.

The following table lists the Cisco SMARTnet support part numbers as of the date of this product bulletin. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
SW-SSPVN-CON-SAU-N51SK	Cisco SSP,N5010 FCoE	C
SW-SSPVN-CON-SAU-N5SSK	Cisco SSP,N5020 FCoE	C

Downloading

For downloading software go to [NOW™ Download Software](#).
Follow the link to [Cisco Switch Firmware Download](#).

Product Availability

All the products mentioned in this product bulletin will be available to quote in the December 2009 release of the Quote Tool.

6. Regulatory Compliance

Products need to be validated against the NetApp Safety/EMI Regulatory Compliance List prior to order submission. This is required to make sure that products are being sold only in the countries in which NetApp has received regulatory compliance certification. This information can be found in the Field Portal by searching under “Compliance, Policies and Procedures” or following the links below:

- [RoHS Compliance](#)
- [Safety/EMI Regulatory Compliance \(XLS\)](#)
- [WEEE Compliance](#)

7. Warranty and Service

For additional details and information on Cisco warranty and services on these and existing switch products, please consult the [NetApp Support Programs](#) web site.

8. Additional Information

Contact Information: Please contact your NetApp sales or channel partner representative with questions concerning this bulletin.

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