



Cisco Extensible Network Controller

Ordering Guide

December 2013 (Valid Until February 2014)

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Introduction

Purpose, Audience, and Scope

This document describes the pricing and packaging structure and ordering process for the Cisco® Extensible Network Controller (XNC).

This guide is written for Cisco field staff and Cisco specialized channel partners.

This ordering guide describes pricing and ordering for the following products:

- Cisco XNC
- Cisco XNC applications
- Cisco XNC and application bundles

For more detailed information about Cisco XNC, go to <http://www.cisco.com/go/xnc>.

Ordering and Quoting Tools

The Cisco Solution Expert tool assists Cisco field staff and Cisco Unified Communications specialized channel partners in designing and quoting solutions using Cisco Unified Communications bundles as well as the traditional design model. For additional information about the Solution Expert tool, go to <http://tools.cisco.com/a2q/introduction.sx?actionParam=viewIntroduction>.

The Cisco XNC product is **not** supported in the Solution Expert tool.

Cisco QuoteBuilder is a commercial solutions quoting application that enables specialized channel partners to build a system quote for security, wireless, and unified communications solutions with:

- Products, required modules, and software
- Automatically derived services based on products and installation site location
- Customized leasing options from Cisco Capital®, where available
- Design documentation

For additional information about QuoteBuilder, go to <http://www.cisco.com/go/quotebuilder>. The Cisco XNC product is **not** supported in QuoteBuilder.

Cisco Commerce Workspace is part of the suite of Internet commerce tools used by Cisco for managing online ordering of Cisco products. It can be used as the single workspace for all business transactions to register deals and quote, configure, price, and order Cisco products, software, and services.

Cisco Commerce Workspace at Cisco.com (with password required) is located at <https://cisco-apps.cisco.com/cisco/psn/commerce>.

All Cisco XNC products and product bundles can be ordered through Cisco Commerce Workspace.

Cisco Service Contract Center is an integrated solution that makes it easy for Cisco Services sales teams and partners to profitably manage and grow their service business. It provides the following benefits:

- Quote and book your service orders and manage your service contracts and renewals all with one simple, easy-to-use solution.
- Spend less time solving administrative problems, searching for opportunities, and creating quotes.

- Spend more time growing your business using data you can trust; you don't need to spend time fixing or verifying data.
- Enable partners to create and proactively manage their contracts.

Here is the link: <http://wwwin.cisco.com/CustAdv/globalops/wwwso/service.shtml>.

Orderability and First Customer Shipment

Orderability for the following products and applications will be enabled for first customer shipment (FCS) in October 2013:

- Cisco XNC
- Cisco Monitor Manager application
- Cisco Topology-Independent Forwarding (TIF) application
- Cisco Network Slicing application
- Promotional bundles

Cisco Extensible Network Controller

Base Controller

Cisco XNC, which is based on OpenDaylight, addresses the evolving network requirements by providing automation and orchestration of the network fabric, and by allowing dynamic, application-based configuration of networks and services. With Cisco XNC, Cisco introduces programmability functions into the platform and software-defined networking (SDN). SDN is an approach to programmable networks that separates and abstracts some of the control-plane functions from the network devices and places them in a centralized controller.

Cisco XNC is built for extensibility using the Java Open Services Gateway initiative (OSGi) application framework. This framework provides the flexibility needed for Cisco and Cisco partners and customers to extend the functions of the controller based on business needs. Cisco XNC also provides robust northbound Representational State Transfer (REST) APIs for business applications to access and program policies.

Table 1 presents ordering information for Cisco XNC without any applications.

Table 1. Cisco XNC Release 1.0 Ordering Information

Part Number	Description	List Price (\$US)
L-XNC-S-K9=	One Cisco XNC Instance with RTM up to 10 TOR (1-2 RU) Switches	Please check global price list
L-XNC-M-K9=	One Cisco XNC Instance with RTM up to 50 TOR (1-2 RU) Switches	Please check global price list
L-XNC-L-K9=	One Cisco XNC Instance with RTM up to 100 TOR (1-2 RU) Switches	Please check global price list

The base Cisco XNC product allows customers to manage a set number of devices in production.

Cisco XNC and Monitor Manager Application Bundle

Cisco XNC with the Cisco Monitor Manager application provides an SDN approach for network tapping. It replaces the purpose-built hardware matrix switches with familiar production switches and saves capital expenditures (CapEx) and operating expenses (OpEx) over time, also increasing the scalability of the solution. It also enables the controller to enforce policy in real time with an event-based approach through northbound APIs.

Table 2 provides ordering information for the promotional bundles for Cisco XNC with the Cisco Monitor Manager application.

Table 2. Ordering Information for Cisco XNC with Cisco Monitor Manager Application Bundles

Part Number	Description	List Price (\$US)
L-XNC-MM-B-ST-K9	One Cisco XNC instance with Monitor Manager RTM 5 TOR (1-2 RU) Nexus fixed switches	Please check global price list
L-XNC-MM-B-S-K9	Two Cisco XNC instances with Monitor Manager RTM 10 TOR (1-2 RU) Nexus fixed switches	Please check global price list
L-XNC-MM-B-M-K9	Two Cisco XNC instances with Monitor Manager RTM 25 TOR (1-2 RU) Nexus fixed switches	Please check global price list
L-XNC-MM-B-L-K9	Two Cisco XNC instances with Monitor Manager RTM 50 TOR (1-2 RU) Nexus fixed switches	Please check global price list

Combined Cisco XNC with Monitor Manager and Hardware Bundle

For ordering convenience, there are two bundles available which will allow customers to order Nexus 3000 hardware, necessary optics and Cisco XNC with Monitor Manager application using a single configurable PID. Table 3 provides ordering information for the combined hardware and Cisco XNC with Monitor Manager application

Table 3. Combined Cisco XNC and Hardware Bundles for Monitor Manager Application

Part Number	Description
N3K-XNC-MM-B-ST	Starter bundle that includes XNC with Monitor Manager application and flexibility to choose up to 5 Nexus 3000 devices (3048/3064/3016)
N3K-XNC-MM-B-SM	Small size deployment bundle that includes XNC with Monitor Manager application and flexibility to choose up to 10 Nexus 3000 devices (3048/3064/3016)

Cisco XNC with Topology-Independent Forwarding and Network Slicing

With Cisco XNC and its TIF and Network Slicing applications, Cisco provides an SDN approach for making the network programmable and application aware.

Table 4 provides ordering information for the promotional bundles for Cisco XNC with the TIF and Network Slicing applications.

Table 4. Ordering Information for Cisco XNC with TIF and Network Slicing Bundles

Part Number	Description	List Price (\$US)
L-XNC-TNS-B-ST-K9	One Cisco XNC instance with TIF and Network Slicing RTM 5 TOR (1-2 RU) Nexus fixed switches	Please check global price list
L-XNC-TNS-B-S-K9	Two Cisco XNC instances with TIF and Network Slicing RTM 10 TOR (1-2 RU) Nexus fixed switches	Please check global price list
L-XNC-TNS-B-M-K9	Two Cisco XNC instances with TIF and Network Slicing RTM 25 TOR (1-2 RU) Nexus fixed switches	Please check global price list
L-XNC-TNS-B-L-K9	Two Cisco XNC instances with TIF and Network Slicing RTM 50 TOR (1-2 RU) Nexus fixed switches	Please check global price list

Sample Solution Configurations with Cisco Monitor Manager Using Promotional Bundle

The sample configuration shown in Table 5 provides the Cisco Monitor Manager solution for 100 ports spread across two Cisco Nexus® 3000 Series Switches and with a mix of 50 x 1 Gigabit Ethernet ports and 50 x 10 Gigabit Ethernet ports for traffic input and monitoring. This solution assumes that high availability is not required for Cisco XNC.

Table 5. Sample 100-Port Configuration for Cisco Monitor Manager Solution Order

Part Number	Description	Quantity
N3K-C3064Q-10GX	Nexus 3064-X, 48 SFP+, 4 QSFP+ ports, with enh scale, low	1
N3K-C3048TP-1GE	Nexus 3048TP-1GE 1RU 48 x 10/100/1000 and 4 x 10GE ports	1
L-XNC-MM-B-ST-K9	One Cisco XNC instance with Monitor Manager RTM 5 TOR (1-2 RU) Nexus fixed switches	1

The order shown in Table 6 would provide a Cisco Monitor Manager solution for 500 ports (all 10 Gigabit Ethernet) with high availability for Cisco XNC.

Table 6. Sample 500-Port Configuration for Cisco Monitor Manager Solution Order

Part Number	Description	Quantity
N3K-C3064Q-10GX	Nexus 3064-X, 48 SFP+, 4 QSFP+ ports, with enh scale, low	10
L-XNC-MM-B-S-K9	Two Cisco XNC instances with Monitor Manager RTM 10 TOR (1-2 RU) Nexus fixed switches	1

Sample Solution Configurations Using Combined Hardware and Cisco XNC PID

The sample configuration shown in Table 7 provides the Cisco Monitor Manager solution for 200 ports spread across two Cisco Nexus® 3000 Series Switches and with a mix of 100 x 1 Gigabit Ethernet ports and 100 x 10 Gigabit Ethernet ports for traffic input and monitoring. This solution assumes that high availability is not required for Cisco XNC.

Table 7. Sample 200-Port Configuration for Cisco Monitor Manager Solution Order using single PID

Part Number	Description	Quantity
N3K-XNC-MM-B-ST	Starter bundle that includes XNC with Monitor Manager application and flexibility to choose up to 5 Nexus 3000 devices (3048/3064/3016). Within the bundle select 2 N3K-C3048TP-1GE and 2 N3K-C3064Q-10GX hardware components and configure the hardware components for power supply and any required optics. All XNC components are preselected within this bundle and are not editable.	1

Cisco XNC Software Subscription

Cisco XNC Software Subscription is a product offering that allows customers to purchase major software version upgrades at reduced cost as a 1-, 2-, or 3-year subscription. A valid Cisco XNC Operate Services contract must either be in place or be purchased with the Cisco XNC software.

To order a software subscription for Cisco XNC, customers need to order based on the number of devices that they plan to manage: either the Cisco XNC base controller software or one of the bundles. For example, if the customer has purchased the Cisco XNC and Monitor Manager bundle to manage 10 devices, the equivalent 1-year subscription part number would be CON-SAU-BXNCMMS.

Table 8 summarizes the software subscriptions available and provides ordering information.

Table 8. Software Subscription Descriptions and Ordering Information for Corresponding Cisco XNC Products

Subscription Part Number	Product Part Number	Description
CON-SAU-XNCSK9	L-XNC-S-K9=	Cisco XNC 1 year subscription service PID for small size deployment - 10 TOR (1-2 RU) Nexus fixed switches
CON-SAU-XNCMK9	L-XNC-M-K9=	Cisco XNC 1 year subscription service PID for medium size deployment - 50 TOR (1-2 RU) Nexus fixed switches
CON-SAU-XNCLK9	L-XNC-L-K9=	Cisco XNC 1 year subscription service PID for large size deployment - 100 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCMMST	L-XNC-MM-B-ST-K9	Cisco XNC and Monitor Manager 1 year subscription service PID for starter pack - 5 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCMMS	L-XNC-MM-B-S-K9	Cisco XNC and Monitor Manager 1 year subscription service PID for small deployment - 10 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCMMM	L-XNC-MM-B-M-K9	Cisco XNC and Monitor Manager 1 year subscription service PID for medium deployment - 25 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCMML	L-XNC-MM-B-L-K9	Cisco XNC and Monitor Manager application 1 year subscription service PID for small deployment - 50 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCTNST	L-XNC-TNS-B-ST-K9	Cisco XNC with TIF and Network Slicing, 1 year subscription service PID for starter pack - 5 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCTNS	L-XNC-TNS-B-S-K9	Cisco XNC with TIF and Network Slicing, 1 year subscription service PID for small deployment - 10 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCTNM	L-XNC-TNS-B-M-K9	Cisco XNC with TIF and Network Slicing, 1 year subscription service PID for medium deployment - 25 TOR (1-2 RU) Nexus fixed switches
CON-SAU-BXNCTNL	L-XNC-TNS-B-L-K9	Cisco XNC with TIF and Network Slicing, 1 year subscription service PID for large deployment - 50 TOR (1-2 RU) Nexus fixed switches

For More Information

For more information please visit <http://www.cisco.com/go/xnc> and contact your local account representative for pricing or any questions regarding ordering.



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