

## Cisco Catalyst 3K-X 10G Service Module

Cisco is introducing the new Cisco<sup>®</sup> Catalyst<sup>®</sup> 3K-X 10G Service Module for the Cisco Catalyst 3750-X and 3560-X switches. The new Cisco Service Module offers enhanced security and Flexible NetFlow (FNF) features on the uplink ports of the Cisco Catalyst 3750-X and 3560-X. Enabling FNF at the access switch makes sure of visibility and monitoring of all flows. In addition, the service module provides MACsec (802.1AE) hardware-based encryption for the network/uplink ports. The new Cisco Service Module has custom dedicated hardware for FNF monitoring and dedicated hardware for MACsec. Therefore, there is no effect on packet forwarding performance and latency.

### Primary Features and Benefits

The new Cisco Service Module enables the following services:

- Line-rate (40G) Flexible NetFlow (supports V9) for security anomaly detection and network monitoring
  - Understand applications running on the network and identify undesired applications, and P2P
  - Provide granular local and aggregated campus view (top N applications and drill down)
  - Identify top talkers (ports, users, applications) for application usage, productivity and asset utilization
  - Enable security anomaly detection
  - Understand the effects of network and application changes
- Line-rate (40G) MACsec encryption
  - Supports MACsec link layer switch-to-switch security by using Cisco TrustSec<sup>®</sup> Network Device Admission Control (NDAC) and the Security Association Protocol (SAP) key exchange
  - Switch-to-switch encryption provides data confidentiality between access and distribution switches, or dark fiber links within a building or between buildings

### Additional Information for New Cisco Service Module

- Used in the 3750-X and 3560-X network module slot
- Hot swappable (plug-and-play)
- Supported only with IP Base or IP Services feature set
- Can be used with Small Form-Factor Pluggable (SFP) or SFP+ at 1G or 10G speeds
- Minimal Cisco IOS<sup>®</sup> Software release is 15.0(1)SE
- Use the service module on Cisco Catalyst 3750-X and 3560-X switches that are at least hardware Version ID (VID) 02 or above
- Uses a separate software bundle; always update a new service module to align with the IOS software version

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## Availability

Cisco Service Module is now orderable.

## Ordering Information

Table 1 provides ordering information for the new Cisco Service Module.

**Table 1.** Cisco Service Module Ordering Information

Product Number	Product Description
<b>C3KX-SM-10G</b>	Cisco Catalyst 3K-X 10G Service Module
<b>C3KX-SM-10G=</b>	Cisco Catalyst 3K-X 10G Service Module Spare

## For More Information

For more information about the Cisco Service Module, visit <http://www.cisco.com>.



Americas Headquarters  
Cisco Systems, Inc.  
San Jose, CA

Asia Pacific Headquarters  
Cisco Systems (USA) Pte. Ltd.  
Singapore

Europe Headquarters  
Cisco Systems International BV Amsterdam,  
The Netherlands

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