Q&A

CISCO CONTENT SWITCHING MODULE WITH SSL

Q. What is the Cisco® CSM-S Content Switching Module with SSL?

A. The Cisco CSM-S is a single module for the Cisco Catalyst® 6500 that combines content switching with Secure Sockets Layer (SSL) acceleration.

Q. Can an existing Cisco CSM be upgraded to be a Cisco CSM-S?

A. No, existing and future Cisco CSMs lack the connector to accommodate the SSL daughter card required for SSL acceleration.

Q. Can I purchase the SSL daughter card separately?

A. No, Cisco Systems® does not sell the SSL daughter card separately. It is sold only as integrated in the Cisco CSM-S.

Q. What is the performance of the Cisco CSM-S?

A. The Cisco CSM-S provides the full performance of the Cisco CSM and one-third the SSL acceleration performance of the Cisco SSL Module (SSLM). This equates to:

Content Switching	SSL Acceleration
• Cells per second (CPS) with SYN cookie—320,000 • Layer 4 CPS—150,000 • Layer 7 CPS—65,000 • Concurrent connections—1 million • Throughput—4 Gbps • 1.25 million packets per second (PPS)	• Transactions per second (TPS)—1,000 • Concurrent connections—20,000 • Bulk encryption—100 Mbps

Q. How is the Cisco CSM-S similar to the Cisco CSM and the Cisco SSLM?

A. The Cisco CSM-S has the same features and functions of the Cisco CSM and the Cisco SSLM and uses the same software of both platforms.

Q. What features are available in the Cisco CSM-S compared to the Cisco CSM and the Cisco SSLM?

A. The Cisco CSM-S Release 1.1.1 combines Cisco CSM Version 4.1.2 and Cisco SSLM Version 2.1.

Q. What version of Cisco IOS® Software is required for the Cisco CSM-S?

A. The Cisco CSM-S requires at a minimum Cisco IOS Software Release 12.2(18)SXD.

Q. What supervisor modules are compatible with the Cisco CSM-S?

A. The Cisco CSM-S is compatible with the Supervisor Engine 2 with a Multilayer Switch Feature Card 2. Support for the Cisco Supervisor Engine 720 is planned.

Q. Does the Cisco CSM-S support back-end encryption?

A. Yes, the Cisco CSM-S supports back-end encryption, and so does the Cisco SSLM.

Q. How many Cisco CSM-S modules can I put in my Cisco Catalyst 6500 chassis?

A. Up to four modules in any combination of Cisco CSM-S or Cisco CSM modules can be installed in a single chassis.

Q. Does the Cisco CSM-S work with the Cisco SSLM?

A. Yes, the Cisco SSLM can be added to a chassis with the Cisco CSM-S for additional SSL capacity.

Q. Is the Cisco CSM-S supported in the Cisco Catalyst Operating System or Cisco IOS Software Hybrid?

A. There are no plans to support the Cisco CSM-S in the Cisco Catalyst Operating System. Cisco IOS Software Hybrid support is currently being evaluated for the Cisco CSM-S.

Q. What are the Cisco SMARTnet® part numbers for the Cisco CSM-S?

A. The Cisco SMARTnet part numbers follow:

- CON-SNT-WS6066K9—Cisco SMARTnet 8 x 5 x Next business day (NBD) Content Switching Module
- CON-SNTE-WS6066K9—Cisco SMARTnet 8 x 5 x 4 Content Switching Module
- CON-S2P-WS6066K9—Cisco SMARTnet 24 x 7 x 2 Content Switching Module
- CON-SNTP-WS6066K9—Cisco SMARTnet 24 x 7 x 4 Content Switching Module
- CON-OS-WS6066K9—Cisco SMARTnet Onsite 8 x 5 x NBD Content Switching Module
- CON-OSE-WS6066K9—Cisco SMARTnet Onsite 8 x 5 x 4 Content Switching Module
- CON-PREM-WS6066K9—Cisco SMARTnet Onsite 24 x 7 x 2 Content Switching Module
- CON-OSP-WS6066K9—Cisco SMARTnet Onsite 24 x 7 x 4 Content Switching Module
- SP-SW-WS6066K9—Cisco SMARTnet SP Base Content Switching Module
- SP-RR-WS6066K9—Cisco SMARTnet SP RTF Content Switching Module
- SP-AR1-WS6066K9—Cisco SMARTnet SP AR Hardware 8 x 5 x NBD Content Switching Module
- SP-AR2-WS6066K9—Cisco SMARTnet SP AR Hardware 8 x 5 x 4 Content Switching Module
- SP-AR3-WS6066K9—Cisco SMARTnet SP AR Hardware 24 x 7 x 4 Content Switching Module
- SP-AR4-WS6066K9—Cisco SMARTnet SP AR Hardware 24 x 7 x 2 Content Switching Module
- SP-OS1-WS6066K9—Cisco SMARTnet SP Onsite 8 x 5 x NBD Content Switching Module
- SP-OS2-WS6066K9—Cisco SMARTnet SP Onsite 8 x 5 x 4 Content Switching Module
- SP-OS3-WS6066K9—Cisco SMARTnet SP Onsite 24 x 7 x 4 Content Switching Module
- SP-OS4-WS6066K9—Cisco SMARTnet SP Onsite 24 x 7 x 2 Content Switching Module

Q. Where can I find the documentation for the Cisco CSM-S?

A. The Installation and Configuration Guide, Command Reference Guide, Hardware Configuration Guide, and release notes can be found at: http://www.cisco.com/univercd/cc/td/doc/product/lan/cat6000/mod_icn/csm/csms/index.htm.

Q. Where can I find the Cisco CSM-S software?

A. The software is located on Cisco.com at: http://www.cisco.com/cgi-bin/tablebuild.pl/cat6000-csms.

CISCO SYSTEMS

Corporate Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
      800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters
Cisco Systems International
BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters
Cisco Systems, Inc.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

Cisco Systems has more than 200 offices in the following countries and regions. Addresses, phone numbers, and fax numbers are listed on **the Cisco Web site at www.cisco.com/go/offices**.

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China PRC • Colombia • Costa Rica • Croatia • Cyprus
Czech Republic • Denmark • Dubai, UAE • Finland • France • Germany • Greece • Hong Kong SAR • Hungary • India • Indonesia • Ireland
Israel • Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The Netherlands • New Zealand • Norway • Peru • Philippines • Poland
Portugal • Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia • Slovenia • South Africa • Spain • Sweden
Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe