



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
<ul style="list-style-type: none"><li>• Cells per second (CPS) with SYN cookie—320,000</li><li>• Layer 4 CPS—150,000</li><li>• Layer 7 CPS—65,000</li><li>• Concurrent connections—1 million</li><li>• Throughput—4 Gbps</li><li>• 1.25 million packets per second (PPS)</li></ul>	<ul style="list-style-type: none"><li>• Transactions per second (TPS)—1,000</li><li>• Concurrent connections—20,000</li><li>• Bulk encryption—100 Mbps</li></ul>

**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<sup>®</sup> 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](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>.



#### **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

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