

## Cisco ASA 5500 and ASA 5500-X Series Next-Generation Firewalls for the Internet Edge

Cisco® ASA 5500 and ASA 5500-X Series Next-Generation Firewalls integrate the world's most proven stateful inspection firewall with a comprehensive suite of highly integrated next-generation firewall services for networks of all sizes - small and midsize businesses with one or a few locations, large enterprises, service providers, and mission-critical data centers. The Cisco ASA 5500 and ASA 5500-X Series Next-Generation Firewalls deliver MultiScale™ performance with unprecedented services flexibility, including next-generation firewall capabilities, modular scalability, feature extensibility, and lower deployment and operations costs.

Midsize businesses protecting the Internet edge require the same level of protection as large enterprise networks. You require enterprise-strength security, but purchasing a firewall that was built to handle the performance needs and budget of a large enterprise would be unnecessary and a waste of company resources. You need a firewall that provides the performance you need at a price you can afford, along with the visibility and control you need to take advantage of new applications and devices without compromising security.

### Features and Benefits

Cisco ASA 5500 and ASA 5500-X Series Next-Generation Firewalls are available in a wide range of sizes and performance levels to fit your network and budget while offering the same proven level of security that protects some of the largest networks at some of the most security-conscious companies in the world. The ASA 5500 and ASA 5500-X Next-Generation Series Firewalls scale to meet the performance and security requirements of a wide range of network applications, to correspond with your changing needs.

Like their enterprise counterparts, Cisco ASA 5500 and ASA 5500-X Series Next-Generation Firewalls for the Internet edge protect critical assets through:

- Exceptional next-generation firewall services that provide the visibility and control your enterprise needs to safely take advantage of new applications and devices<sup>1</sup>
- Application Visibility and Control (AVC) to control specific behaviors within allowed micro-applications
- Web Security Essentials (WSE) to restrict web and web application usage based on reputation of the site
- Broad and deep network security through an array of integrated cloud- and software-based next-generation firewall services backed by Cisco Security Intelligence Operations (SIO)
- Highly effective intrusion prevention system (IPS) with Cisco Global Correlation
- High-performance VPN and always-on remote access
- The ability to enable additional security services quickly and easily in response to changing needs

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<sup>1</sup> Please contact your sales representative for availability.

## Cisco ASA 5525-X, 5545-X, and 5555-X

The Cisco ASA 5525-X, 5545-X, and 5555-X are next-generation firewalls that combine the most widely deployed stateful inspection firewall in the industry with a comprehensive suite of next-generation network security services - for comprehensive security without compromise. They help meet evolving security needs by delivering multiple next-generation security services, multigigabit performance, flexible interface options, and redundant power supplies, all in a compact 1-RU form factor. These firewalls optionally provide broad and deep network security services through an array of integrated cloud- and software-based security services, including Application Visibility and Control (AVC), Web Security Essentials (WSE), Cisco Cloud Web Security (CWS), and the only context-aware IPS - with no need for additional hardware modules.

The ASA 5525-X, 5545-X, and 5555-X Next-Generation Firewalls are part of the ASA 5500-X Series, which is built on the same proven security platform as the rest of the ASA family of firewalls and delivers superior performance for exceptional operational efficiency. These models are designed to meet evolving security needs by providing, among other things, innovative next-generation firewall services that make it possible to take advantage of new applications and devices without compromising security. Unlike other next-generation firewalls, the Cisco ASA 5500-X Series keeps pace with rapidly evolving needs by offering end-to-end network intelligence gained from combining the visibility from local traffic with in-depth global network intelligence through:

- [Cisco TrustSec® technology](#)
- [Cisco AnyConnect® Secure Mobility Solution for unique mobile client insight](#)
- [Cisco Security Intelligence Operations \(SIO\) for near-real-time threat information and proactive protection](#)
- [Cisco ASA Next-Generation Firewall Services](#)

With up to 4 Gbps of firewall throughput, 1,000,000 concurrent firewall connections, 50,000 connections per second, and 6 integrated Gigabit Ethernet interfaces, the ASA 5525-X, 5545-X, and 5555-X are excellent choices for businesses requiring high performance, cost effectiveness, exceptional application visibility and control, and an extensible security solution that can grow with their changing needs.

## Cisco ASA 5520, 5540, and 5550







The Cisco ASA 5520, 5540, and 5550 are modular, high-performance firewalls that deliver security services with Active/Active high availability and Gigabit Ethernet connectivity for medium-sized enterprise networks. With Gigabit Ethernet interfaces and support for up to 200 VLANs, businesses can easily deploy the Cisco ASA 5520, 5540, and 5550 into multiple zones within their network. The Cisco ASA 5520, 5540, and 5550 scale with businesses as their network security requirements grow, delivering solid investment protection.

Businesses can extend their SSL and IPsec VPN capacity to support a larger number of mobile workers, remote sites, and business partners. Up to 5000 Cisco AnyConnect and/or clientless VPN peers can be supported. VPN capacity and resiliency can be increased by taking advantage of integrated VPN clustering and load-balancing capabilities. The Cisco ASA 5520, 5540, and 5550 support up to 10 firewalls in a cluster, offering a maximum of 50,000 AnyConnect and/or clientless VPN peers or 50,000 IPsec VPN peers per cluster. For business continuity and event planning, the Cisco ASA 5520, 5540, and 5550 can also benefit from Cisco VPN Flex licenses, which enable administrators to react to or plan for short-term “bursts” of concurrent Premium VPN remote-access users for up to two months.

The advanced application-layer security and content security defenses provided by these firewalls can be extended by deploying the high-performance intrusion prevention and worm mitigation capabilities of the Advanced Inspection and Prevention Security Services Module (AIP SSM) or the comprehensive malware protection of the Content Security and Control Security Services Module (CSC SSM). Using these optional security context capabilities, businesses can deploy up to 100 virtual firewalls within a physical appliance to enable compartmentalized control of security policies on a departmental level. This virtualization strengthens security and reduces overall management and support costs while consolidating multiple security devices into a single appliance.

Table 1 compares the features and capacities of the Cisco ASA 5500 and ASA 5500-X Series Next-Generation Firewalls for the Internet Edge.

**Table 1.** Cisco ASA 5500 and ASA 5500-X Series Next-Generation Firewalls for the Internet Edge

Feature	Cisco ASA 5520	Cisco ASA 5525-X	Cisco ASA 5540	Cisco ASA 5545-X	Cisco ASA 5550	Cisco ASA 5555-X
						
<b>Stateful Inspection Throughput (Maximum<sup>2</sup>)</b>	Up to 450 Mbps	2 Gbps	Up to 650 Mbps	3 Gbps	Up to 1.2 Gbps	4 Gbps
<b>Stateful Inspection Throughput (Multiprotocol<sup>3</sup>)</b>	-	1 Gbps	-	1.5 Gbps	-	2 Gbps
<b>IPS Throughput<sup>4</sup></b>	<ul style="list-style-type: none"> <li>Up to 225 Mbps with AIP-SSM-10</li> <li>Up to 375 Mbps with AIP-SSM-20</li> <li>Up to 450 Mbps with AIP-SSM-40</li> </ul>	<ul style="list-style-type: none"> <li>600 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>Up to 500 Mbps with AIP-SSM-20</li> <li>Up to 650 Mbps with AIP-SSM-40</li> </ul>	<ul style="list-style-type: none"> <li>900 Mbps (extra hardware not required)</li> </ul>	<ul style="list-style-type: none"> <li>Not available</li> </ul>	<ul style="list-style-type: none"> <li>1.3 Gbps (extra hardware not required)</li> </ul>
<b>Next-Generation Throughput<sup>5</sup> (Multiprotocol)</b>	-	650 Mbps	-	1 Gbps	-	1.4 Gbps
<b>3DES/AES VPN Throughput<sup>6</sup></b>	Up to 225 Mbps	300 Mbps	Up to 325 Mbps	400 Mbps	Up to 425 Mbps	700 Mbps
<b>Users/Nodes</b>	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>Cisco Cloud Web Security Users</b>	For detailed sizing guidance see the <a href="#">CWS Connector Sizing for ASA 5500 and ASA 5500-X</a>					
<b>IPsec VPN Peers</b>	750	750	5000	2500	5000	5000
<b>Premium AnyConnect VPN Peers</b>	2/750	2/750	2/2500	2/2500	2/5000	2/5000
<b>Concurrent Connections</b>	280,000	500,000	400,000	750,000	650,000	1,000,000

<sup>2</sup> Maximum throughput measured with UDP traffic under ideal conditions.

<sup>3</sup> Multiprotocol: Traffic profile consisting primarily of TCP-based protocols/applications, such as HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS.

<sup>4</sup> Firewall traffic that does not go through the IPS service can have higher throughput.

<sup>5</sup> Throughput was measured using ASA CX Software Release 9.1.1 with multiprotocol traffic profile with both AVC and WSE. Traffic logging was enabled as well.

<sup>6</sup> VPN throughput and sessions count depend on the ASA device configuration and VPN traffic patterns. These elements should be taken into consideration as part of your capacity planning.

Feature	Cisco ASA 5520	Cisco ASA 5525-X	Cisco ASA 5540	Cisco ASA 5545-X	Cisco ASA 5550	Cisco ASA 5555-X
<b>New Connections/ Second</b>	12,000	20,000	25,000	30,000	33,000	50,000
<b>Virtual Interfaces (VLANs)</b>	150	200	200	300	400	500
<b>Security Contexts (Included/ Maximum)<sup>7</sup></b>	2/20	2/20	2/50	2/50	2/50	2/100
<b>High Availability</b>	Active/Active and Active/Standby	Active/Active and Active/Standby	Active/Active and Active/Standby	Active/Active and Active/Standby	Active/Active and Active/Standby	Active/Active and Active/Standby
<b>Expansion Slot</b>	1 SSM	1 interface card	1 SSM	1 interface card	0	1 interface card
<b>Number of User-Accessible Flash Slots</b>	1	0	1	-	1	0
<b>USB 2.0 Ports</b>	2	2	2	2	2	2 <sup>2</sup>
<b>Integrated I/O</b>	4 GE + 1 Fast Ethernet	8 GE copper	4 GE + 1 Fast Ethernet	8 GE copper	8 GE + 1 Fast Ethernet	8 GE copper
<b>Expansion I/O</b>	4 GE copper or 4 GE SFP	6 GE copper or 6 GE SFP	4 GE copper or 4 GE SFP	6 GE copper or 6 GE SFP	None	6 GE copper or 6 GE SFP
<b>Dedicated Management Port</b>	None	Yes (1 GE)	None	Yes (1 GE)	None	Yes (1 GE)
<b>Serial Ports</b>	2 RJ-45, console and auxiliary	1 RJ-45	2 RJ-45, console and auxiliary	1 RJ-45	2 RJ-45, console and auxiliary	1 RJ-45
<b>Solid State Drive</b>	-	1 slot 120 GB MLC SED	-	2 slots, RAID 1 120 GB MLC SED	-	2 slots, RAID 1 120 GB MLC SED
<b>Memory</b>	2 GB	8 GB	2 GB	12 GB	4 GB	16 GB
<b>Minimum System Flash</b>	256 MB	8 GB	256 MB	8 GB	256 MB	8 GB
<b>System Bus</b>	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture
<b>Environmental Operating Ranges</b>						
<b>Operating</b>						
<b>Temperature</b>	32 to 104°F (0 to 40°C)	23 to 104°F (-5 to 40°C)	32 to 104°F (0 to 40°C)	23 to 104°F (-5 to 40°C)	32 to 104°F (0 to 40°C)	23 to 104°F (-5 to 40°C)
<b>Relative Humidity</b>	5 to 95 percent noncondensing	90 percent	5 to 95 percent noncondensing	90 percent	5 to 95 percent noncondensing	90 percent
<b>Altitude</b>	Designed and tested for 0 to 9840 ft (3000m); agency approved for 2000m	Designed and tested for 0 to 10,000 ft (3050m)	Designed and tested for 0 to 9840 ft (3000m); agency approved for 2000m	Designed and tested for 0 to 10,000 ft (3050m)	Designed and tested for 0 to 9840 ft (3000m); agency approved for 2000m	Designed and tested for 0 to 10,000 ft (3050m)
<b>Shock</b>	1.14 m/sec (45 in./sec) 1/2 sine input	50G, 2 m/sec	1.14 m/sec (45 in./sec) 1/2 sine input	50G, 2 m/sec	1.14 m/sec (45 in./sec) 1/2 sine input	50G, 2 m/sec
<b>Vibration</b>	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms (3 to 500Hz) random input	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms (3 to 500Hz) random input	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms (3 to 500Hz) random input
<b>Acoustic Noise</b>	60 dBa max	64.2 dBa max	60 dBa max	67.9 dBa max	60 dBa max	67.9 dBa max

<sup>7</sup> Separately licensed feature; includes two SSL licenses with base system.

Feature	Cisco ASA 5520	Cisco ASA 5525-X	Cisco ASA 5540	Cisco ASA 5545-X	Cisco ASA 5550	Cisco ASA 5555-X
<b>Nonoperating</b>						
<b>Temperature</b>	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)
<b>Relative Humidity</b>	5 to 95 percent noncondensing	10 to 90 percent	5 to 95 percent noncondensing	10 to 90 percent	5 to 95 percent noncondensing	10 to 90 percent
<b>Altitude</b>	0 to 15,000 ft (4570m)	Designed and tested for 0 to 15,000 ft (4572m)	0 to 15,000 ft (4570m)	Designed and tested for 0 to 15,000 ft (4572m)	0 to 15,000 ft (4570m)	Designed and tested for 0 to 15,000 ft (4572m)
<b>Shock</b>	30G	70G, 4.22 m/sec	30G	70G, 4.22 m/sec	30G	70G, 4.22 m/sec
<b>Vibration</b>	0.41 Grms2 (3 to 500 Hz) random input	1.12 Grms (3 to 500Hz) random input	0.41 Grms2 (3 to 500 Hz) random input	1.12 Grms (3 to 500Hz) random input	0.41 Grms2 (3 to 500 Hz) random input	1.12 Grms (3 to 500Hz) random input
<b>Power</b>						
<b>Input (per Power Supply)</b>						
<b>AC Range Line Voltage</b>	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
<b>AC Normal Line Voltage</b>	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
<b>AC Current</b>	3A	4.85A	3A	5A, 100 to 120V 2.5A, 200 to 240V	3A	5A, 100 to 120V 2.5A, 200 to 240V
<b>AC Frequency</b>	47/63 Hz, single-phase	50/60 Hz	47/63 Hz, single-phase	50/60 Hz	47/63 Hz, single-phase	50/60 Hz
<b>Dual Power Supplies</b>	None	None	None	Yes	None	Yes
<b>DC Domestic Line Voltage</b>	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	-40.5 to 56 VDC (-48 VDC nominal)	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	-40.5 to 56 VDC (-48 VDC nominal)	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	-40.5 to 56 VDC (-48 VDC nominal)
<b>DC International Line Voltage</b>	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	-55 to -72 VDC (-60 VDC nominal)	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	-55 to -72 VDC (-60 VDC nominal)	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	-55 to -72 VDC (-60 VDC nominal)
<b>DC Current</b>	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	15A (maximum input)	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	15A (maximum input)	<a href="#">See the ASA 5500 Series Hardware Installation Guide</a>	15A (maximum input)
<b>Output</b>						
<b>Steady State</b>	150W	75W	150W	86W	150W	90W
<b>Maximum Peak</b>	190W	108W	190W	125W	190W	134W
<b>Maximum Heat Dissipation</b>	648 BTU/hr	369 BTU/hr	648 BTU/hr	427 BTU/hr	648 BTU/hr	458 BTU/hr
<b>Physical Specifications</b>						
<b>Form Factor</b>	1 RU, 19-in. rack-mountable	1 RU, 19-in. rack-mountable	1 RU, 19-in. rack-mountable	1 RU, 19-in. rack-mountable	1 RU, 19-in. rack-mountable	1 RU, 19-in. rack-mountable
<b>Dimensions (H x W x D)</b>	1.75 x 17.5 x 14.25 in. (4.45 x 20.04 x 36.20 cm)	1.70 x 16.8 x 15.6 in. (4.32 x 42.7 x 39.5 cm)	1.75 x 17.5 x 14.25 in. (4.45 x 20.04 x 36.20 cm)	1.67 x 16.7 x 19.1 in. (4.24 x 42.9 x 48.4 cm)	1.75 x 17.5 x 14.25 in. (4.45 x 20.04 x 36.20 cm)	1.67 x 16.7 x 19.1 in. (4.24 x 42.9 x 48.4 cm)
<b>Weight (with Power Supply)</b>	20.0 lb (9.07 kg)	15.0 lb (6.82 kg)	22.0 lb (10 kg)	16.82 lb (7.63 kg) with single power supply 18.86 lb (8.61 kg) with dual power supply	22.0 lb (10 kg)	16.82 lb (7.63 kg) with single power supply 18.86 lb (8.61 kg) with dual power supply

Feature	Cisco ASA 5520	Cisco ASA 5525-X	Cisco ASA 5540	Cisco ASA 5545-X	Cisco ASA 5550	Cisco ASA 5555-X
<b>Regulatory and Standards Compliance</b>						
<b>Safety</b>	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition EN 60950-1:2006+A11: 2009 UL 60950-1:2007, 2 <sup>nd</sup> Edition; CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition EN 60950-1:2006+A11: 2009 UL 60950-1:2007, 2 <sup>nd</sup> Edition; CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition EN 60950-1:2006+A11: 2009 UL 60950-1:2007, 2 <sup>nd</sup> Edition; CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition
<b>Electromagnetic Compatibility (EMC)</b>	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1:2001+A2 :2003; EN61000-3-2 2009;EN61000-3-3 2008; FCC:CFR 47, Part 15 Subpart B Class A 2010,ANSI C63.4 2009; ICES-003 ISSUE 4 FEBRUARY.2004; VCCI:V-3/2011.04; C-TICK:AS/NZS CISPR 22,2009 KC:KN22 & KN24	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1:2001+A2 :2003; EN61000-3-2 2009;EN61000-3-3 2008; FCC:CFR 47, Part 15 Subpart B Class A 2010,ANSI C63.4 2009; ICES-003 ISSUE 4 FEBRUARY.2004; VCCI:V-3/2011.04; C-TICK:AS/NZS CISPR 22,2009 KC:KN22 & KN24	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1:2001+A2 :2003; EN61000-3-2 2009;EN61000-3-3 2008; FCC:CFR 47, Part 15 Subpart B Class A 2010,ANSI C63.4 2009; ICES-003 ISSUE 4 FEBRUARY.2004; VCCI:V-3/2011.04; C-TICK:AS/NZS CISPR 22,2009 KC:KN22 & KN24
<b>Industry Certifications</b>	Common Criteria EAL4 US DoD Application-Level Firewall for Medium-Robustness Environments, Common Criteria EAL2 for IPS on AIP SSM-10 and -20, FIPS 140-2 Level 2, and NEBS Level 3  In process: Common Criteria EAL4+ US DoD Application-Level Firewall for Medium-Robustness Environments, and Common Criteria EAL4 for IPsec/SSL VPN	In process	FIPS 140-2 Level 2  In process: Common Criteria EAL4+ US DoD Application-Level Firewall for Medium-Robustness Environments, and Common Criteria EAL4 for IPsec/SSL VPN	In process	FIPS 140-2 Level 2  In process: Common Criteria EAL4+ US DoD Application-Level Firewall for Medium-Robustness Environments, and Common Criteria EAL4 for IPsec/SSL VPN	In process

## Cisco ASA 5500 Series Security Services Processors, Modules, and Cards




The Cisco ASA 5500 Series brings a new level of integrated security performance to networks with its highly effective IPS services and multiprocessor hardware architecture. This architecture allows businesses to adapt and extend the high-performance security services profile of the Cisco ASA 5500 Series. Customers can add additional high-performance services using security services modules with dedicated security co-processors, and can custom-tailor flow-specific policies using a highly flexible policy framework. This adaptable architecture enables businesses to deploy new security services when and where they are needed, such as adding the broad range of intrusion prevention and advanced antiworm services delivered by the IPS modules via the AIP SSM and AIP SSC, or the comprehensive malware protection and content security services enabled by the CSC SSM. Further, the Cisco ASA 5500 Series architecture allows Cisco to introduce new services to address new threats, giving businesses outstanding investment protection.

The Cisco ASA 5500 Series AIP SSM and AIP SSC are inline, network-based solutions that accurately identify, classify, and stop malicious traffic before it affects business continuity for IPv4, IPv6, and hybrid IPv6 and IPv4 networks. They combine inline prevention services with innovative technologies, resulting in total confidence in the provided protection of the deployed IPS solution, without the fear of legitimate traffic being dropped. The AIP SSM and AIP SSC also offer comprehensive network protection through their unique ability to collaborate with other network security resources, providing a proactive approach to protecting the network.

Accurate inline prevention technologies provide unparalleled confidence to take preventive action on a broader range of threats without the risk of dropping legitimate traffic. These unique technologies offer intelligent, automated, contextual analysis of data and help ensure that businesses are getting the most out of their intrusion prevention solutions. Furthermore, the IPS SSP, AIP SSM, and AIP SSC use multivector threat identification to protect the network from policy violations, vulnerability exploitations, and anomalous activity through detailed inspection of traffic in Layers 2 through 7.

Table 2 details the AIP SSM models that are available, and their respective performance and physical characteristics.

**Table 2.** Characteristics of Cisco ASA 5500 Series AIP SSM Models



Feature	Cisco ASA 5500 Series AIP-SSM-10	Cisco ASA 5500 Series AIP-SSM-20	Cisco ASA 5500 Series AIP-SSM-40
			
<b>Concurrent Threat Mitigation Throughput (Firewall + IPS Services)</b>	<ul style="list-style-type: none"> <li>• 225 Mbps with Cisco ASA 5520</li> </ul>	<ul style="list-style-type: none"> <li>• 375 Mbps with Cisco ASA 5520</li> <li>• 500 Mbps with Cisco ASA 5540</li> </ul>	<ul style="list-style-type: none"> <li>• 450 Mbps with Cisco ASA 5520</li> <li>• 650 Mbps with Cisco ASA 5540</li> </ul>
<b>Technical Specifications</b>			
<b>Memory</b>	1 GB	2 GB	4 GB
<b>Flash</b>	256 MB	256 MB	2 GB
<b>Environmental Operating Ranges</b>			
<b>Operating</b>			
<b>Temperature</b>	32 to 104°F (0 to 40°C)		
<b>Relative Humidity</b>	5 to 95 percent noncondensing		
<b>Nonoperating</b>			
<b>Temperature</b>	-13 to 158°F (-25 to 70°C)		
<b>Power Consumption</b>	90W maximum		
<b>Physical Specifications</b>			
<b>Dimensions (H x W x D)</b>	1.70 x 6.80 x 12.25 in. (4.32 x 17.27 x 31.12 cm)		
<b>Weight (with Power Supply)</b>	3.00 lb (1.36 kg)		
<b>Regulatory and Standards Compliance</b>			
<b>Safety</b>	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950		
<b>Electromagnetic Compatibility (EMC)</b>	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3		

## Cisco ASA 5500 Series Content Security and Control Module

The Cisco ASA 5500 Series CSC SSM delivers industry-leading threat protection and content control at the Internet edge, providing comprehensive antivirus, antispymware, file blocking, antispam, antiphishing, URL blocking and filtering, and content filtering services in an easy-to-manage solution. The CSC SSM bolsters the Cisco ASA 5500 Series' strong security capabilities, providing customers with additional protection of and control over the content of their business communications. The module provides additional flexibility and choice over the functioning and deployment of Cisco ASA 5500 Series firewalls. Licensing options enable organizations to customize the features and capabilities to each group's needs, with features that include advanced content services and increased user capacity. The CSC SSM ships with a default feature set that provides antivirus, antispymware, and file blocking services.

A Plus license is available for each CSC SSM at an additional charge, delivering capabilities such as antispam, antiphishing, URL blocking and filtering, and content control services. Businesses can extend the user capacity of the CSC SSM by purchasing and installing additional user licenses. A detailed listing of these options is shown in Table 3 and in the CSC SSM data sheet.

**Table 3.** Characteristics of Cisco ASA 5500 Series CSC SSMs

Feature	Cisco ASA 5500 Series CSC-SSM-10	Cisco ASA 5500 Series CSC-SSM-20
		
<b>Supported Platforms</b>	<ul style="list-style-type: none"> <li>Cisco ASA 5520</li> </ul>	<ul style="list-style-type: none"> <li>Cisco ASA 5520</li> <li>Cisco ASA 5540</li> </ul>
<b>Standard and Optional Features</b>		
<b>Standard User License</b>	50 users	500 users
<b>Standard Feature Set</b>	Antivirus, antispymware, file blocking	
<b>Optional User Upgrades (Total Users)</b>	<ul style="list-style-type: none"> <li>100 users</li> <li>250 users</li> <li>500 users</li> </ul>	<ul style="list-style-type: none"> <li>750 users</li> <li>1000 users</li> </ul>
<b>Optional Feature Upgrades</b>	Plus license: Adds antispam, antiphishing, URL blocking and filtering, and content control	
<b>Technical Specifications</b>		
<b>Memory</b>	1 GB	2 GB
<b>System Flash</b>	256 MB	256 MB
<b>Environmental Operating Ranges</b>		
<b>Operating</b>		
<b>Temperature</b>	32 to 104°F (0 to 40°C)	
<b>Relative Humidity</b>	10 to 90 percent, noncondensing	
<b>Nonoperating</b>		
<b>Temperature</b>	-13 to 158°F (-25 to 70°C)	
<b>Power Consumption</b>	90W maximum	
<b>Physical Specifications</b>		
<b>Dimensions (H x W x D)</b>	1.70 x 6.80 x 12.25 in. (4.32 x 17.27 x 31.12 cm)	
<b>Weight (with Power Supply)</b>	3.00 lb (1.36 kg)	




Feature	Cisco ASA 5500 Series CSC-SSM-10	Cisco ASA 5500 Series CSC-SSM-20
<b>Regulatory and Standards Compliance</b>		
<b>Safety</b>	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950	
<b>Electromagnetic Compatibility (EMC)</b>	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3	

## Cisco ASA 5500 Series 4-Port Gigabit Ethernet Module

The Cisco ASA 5500 Series 4-Port Gigabit Ethernet SSM enables businesses to better segment network traffic into separate security zones, providing more granular security for their network environment. These zones can range from the Internet to internal corporate departments/sites to DMZs. This high-performance module supports both copper and optical connection options by including four 10/100/1000 copper RJ-45 ports and four SFP ports. Businesses can choose between copper or fiber ports, providing flexibility for data center, campus, or enterprise edge connectivity. The module extends the I/O profile of the Cisco ASA 5500 Series to a total of five Fast Ethernet and four Gigabit Ethernet ports on the Cisco ASA 5510. Table 4 lists the characteristics of the Cisco ASA 5500 Series 4-Port Gigabit Ethernet SSMs.

**Table 4.** Characteristics of Cisco ASA 5500 Series 4-Port Gigabit Ethernet SSMs

Feature	Cisco ASA 5500 Series 4-Port GE SSM
	
<b>Technical Specifications</b>	
<b>Integrated LAN Ports</b>	Four 10/100/1000BASE-T
<b>Integrated SFP Ports</b>	Four (Gigabit Ethernet Optical SFP 1000BASE-SX or LX/LH transceiver supported)
<b>Environmental Operating Ranges</b>	
<b>Operating</b>	
<b>Temperature</b>	32 to 104°F (0 to 40°C)
<b>Relative Humidity</b>	5 to 95 percent noncondensing
<b>Nonoperating</b>	
<b>Temperature</b>	-13 to 158°F (-25 to 70°C)
<b>Power Consumption</b>	25W maximum
<b>Physical Specifications</b>	
<b>Dimensions (H x W x D)</b>	1.70 x 6.80 x 12.25 in. (4.32 x 17.27 x 31.12 cm)
<b>Weight (with Power Supply)</b>	2.00 lb (0.91 kg)
<b>Regulatory and Standards Compliance</b>	
<b>Safety</b>	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950
<b>Electromagnetic Compatibility (EMC)</b>	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3



## Cisco ASA 5500-X Series 6-Port Gigabit Ethernet Interface Cards

Cisco ASA 5500-X Series 6-port Gigabit Ethernet Interface Cards extend the I/O profile of the ASA 5525-X through ASA 5555-X by providing additional GE ports. The cards provide the following benefits:

- Better segmentation of network traffic (into separate security zones)
- Fiber-optic cable connectivity for long distance communication
- Load sharing of traffic as well as protection against link failure by using EtherChannel
- Support for Jumbo Ethernet frames of up to 9000 bytes
- Protection against cable failure for the most demanding Active/Active and full mesh firewall deployments

Table 5 lists the characteristics of the Cisco ASA 5500-X Series 6-Port Gigabit Ethernet Interface Cards.

**Table 5.** Characteristics of Cisco ASA 5500-X Series 6-Port Gigabit Ethernet Interface Cards

Feature	Cisco ASA 5500-X Series 6-Port 10/100/1000	Cisco ASA 5500-X Series 6-Port GE SFP SX, LH, LX
		
<b>Technical Specifications</b>		
<b>Integrated Ports</b>	Six 10/100/1000BASE-T	Six (Gigabit Ethernet Optical SFP 1000BASE-SX or LX/LH transceiver supported)
<b>Environmental Operating Ranges</b>		
<b>Operating</b>		
<b>Temperature</b>	32 to 113°F (0 to 45°C)	32 to 113°F (0 to 45°C)
<b>Relative Humidity</b>	5 to 95 percent noncondensing	5 to 95 percent noncondensing
<b>Nonoperating</b>		
<b>Temperature</b>	-40 to 149°F (-40 to 65°C)	-40 to 149°F (-40 to 65°C)
<b>Power Consumption</b>	25W maximum	25W maximum
<b>Physical Specifications</b>		
<b>Dimensions (H x W x D)</b>	1.57 x 5.31 x 9.09 in. (3.99 x 13.49 x 23.09 cm)	1.57 x 5.31 x 9.09 in. (3.99 x 13.49 x 23.09 cm)
<b>Weight</b>	1.00 lb (0.45 kg)	1.00 lb (0.45 kg)
<b>Regulatory and Standards Compliance</b>		
<b>Safety</b>	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950
<b>Electromagnetic Compatibility (EMC)</b>	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3

## Ordering Information

To place an order, visit the [Cisco Ordering Home Page](#). Table 6 provides ordering information for the Cisco ASA 5500 Series and ASA 5500-X Series Next-Generation Firewalls.

**Table 6.** Ordering Information

Product Name	Part Number
<b>Cisco ASA Next-Generation Firewall Services Subscription Licenses</b>	
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES encryption, SSD 120GB	ASA5525-SSD120-K8
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, 3DES/AES encryption, SSD 120GB	ASA5525-SSD120-K9
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES encryption, 2 SSD 120GB	ASA5545-2SSD120-K8
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, 3DES/AES encryption, 2 SSD 120GB	ASA5545-2SSD120-K9
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES encryption, 2 SSD 120GB	ASA5555-2SSD120-K8
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, 3DES/AES encryption, 2 SSD 120GB	ASA5555-2SSD120-K9
<b>Cisco ASA 5500 Series Firewall Edition Bundles</b>	
Cisco ASA 5520 Firewall Edition; includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 750 IPsec VPN peers, 2 Premium VPN peers, Active/Active and Active/Standby high availability, 3DES/AES license	ASA5520-BUN-K9
Cisco ASA 5520 Firewall Edition; includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 750 IPsec VPN peers, 2 Premium VPN peers, Active/Active and Active/Standby high availability, DES license	ASA5520-K8
Cisco ASA 5540 Firewall Edition; includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 5000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5540-BUN-K9
Cisco ASA 5540 Firewall Edition; includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 5000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5540-K8
Cisco ASA 5550 Firewall Edition; includes 8 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 4 Gigabit SFP interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5550-BUN-K9
Cisco ASA 5550 Firewall Edition; includes 8 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 4 Gigabit SFP interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5550-K8
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, no payload encryption	ASA5525-K7
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5525-K8
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 DC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5525-DC-K8
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5525-K9
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 14 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5525-CU-K9
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, no payload encryption	ASA5545-K7

Product Name	Part Number
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5545-K8
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 DC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5545-DC-K8
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5545-K9
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 14 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1+1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5545-CU-2AC-K9
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, no payload encryption	ASA5545-K7
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5545-K8
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 DC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5555-DC-K8
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5545-K9
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 14 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1+1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5555-CU-2AC-K9
<b>Cisco ASA 5500 Series IPS Edition Bundles</b>	
Cisco ASA 5520 IPS Edition; includes AIP-SSM-10, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-AIP10-K9
Cisco ASA 5520 IPS Edition; includes AIP-SSM-20, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-AIP20-K9
Cisco ASA 5520 IPS Edition; includes AIP-SSM-40, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-AIP40-K9
Cisco ASA 5540 IPS Edition; includes AIP-SSM-20, firewall services, 5000 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-AIP20-K9
Cisco ASA 5540 IPS Edition; includes AIP-SSM-40, firewall services, 5000 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-AIP40-K9
Cisco ASA 5525-X IPS Edition; includes IPS service, 750 IPsec VPN peers, 2 SSL VPN peers, firewall services, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet Management, 1 AC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5525-IPS-K8
Cisco ASA 5525-X IPS Edition; includes IPS service, 750 IPsec VPN peers, 2 SSL VPN peers, firewall services, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5525-IPS-K9
Cisco ASA 5545-X IPS Edition; includes IPS service, 2500 IPsec VPN peers, 2 SSL VPN peers, firewall services, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5545-IPS-K8
Cisco ASA 5545-X IPS Edition; includes IPS service, 2500 IPsec VPN peers, 2 SSL VPN peers, firewall services, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5545-IPS-K9
Cisco ASA 5555-X IPS Edition; includes IPS service, 5000 IPsec VPN peers, 2 SSL VPN peers, firewall services, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, DES license	ASA5555-IPS-K8
Cisco ASA 5555-X IPS Edition; includes IPS service, 5000 IPsec VPN peers, 2 SSL VPN peers, firewall services, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license	ASA5555-IPS-K9

Product Name	Part Number
<b>Cisco ASA 5500 Series Content Security Edition Bundles</b>	
Cisco ASA 5520 Content Security Edition; includes CSC-SSM-10, 50-user antivirus/antispysware with 1-year subscription, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-CSC10-K9
Cisco ASA 5520 Content Security Edition; includes CSC-SSM-20, 500-user antivirus/antispysware with 1-year subscription, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-CSC20-K9
<b>Cisco ASA 5500 Series SSL/IPsec VPN Edition Bundles</b>	
Cisco ASA 5520 SSL/IPsec VPN Edition; includes 750 IPsec VPN peers, 500 Premium VPN peers, firewall services, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-SSL500-K9
Cisco ASA 5540 SSL/IPsec VPN Edition; includes 5000 IPsec VPN peers, 1000 Premium VPN peers, firewall services, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-SSL1000-K9
Cisco ASA 5540 SSL/IPsec VPN Edition; includes 5000 IPsec VPN peers, 2500 Premium VPN peers, firewall services, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-SSL2500-K9
Cisco ASA 5550 SSL/IPsec VPN Edition; includes 5000 IPsec VPN peers, 2500 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5550-SSL2500-K9
Cisco ASA 5550 SSL/IPsec VPN Edition; includes 5000 IPsec VPN peers, 5000 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5550-SSL5000-K9
<b>Security Services Modules</b>	
Cisco ASA Advanced Inspection and Prevention Security Services Card 5 (AIP-SSC-5)	ASA-SSC-AIP-5-K9=
Cisco ASA Advanced Inspection and Prevention Security Services Module 10 (AIP-SSM-10)	ASA-SSM-AIP-10-K9=
Cisco ASA Advanced Inspection and Prevention Security Services Module 20 (AIP-SSM-20)	ASA-SSM-AIP-20-K9=
Cisco ASA Advanced Inspection and Prevention Security Services Module 40 (AIP-SSM-40)	ASA-SSM-AIP-40-K9=
Cisco ASA Content Security and Control Security Services Module 10 (CSC-SSM-10) with 50-user antivirus/antispysware, 1-year subscription	ASA-SSM-CSC-10-K9=
Cisco ASA Content Security and Control Security Services Module 20 (CSC-SSM-20) with 500-user antivirus/antispysware, 1-year subscription	ASA-SSM-CSC-20-K9=
Cisco ASA 4-Port Gigabit Ethernet Security Services Module	SSM-4GE=
<b>Interface Cards</b>	
Cisco ASA Interface Card with 6 copper Gigabit Ethernet data ports for ASA 5512-X and ASA 5515-X	ASA-IC-6GE-CU-A
Cisco ASA Interface Card with 6 copper Gigabit Ethernet data ports for ASA 5525-X	ASA-IC-6GE-CU-B
Cisco ASA Interface Card with 6 copper Gigabit Ethernet data ports for ASA 5545-X and ASA 5555-X	ASA-IC-6GE-CU-C
Cisco ASA Interface Card with 6 SFP Gigabit Ethernet data ports (SX, LH, LX) for ASA 5512-X and ASA 5515-X	ASA-IC-6GE-SFP-A
Cisco ASA Interface Card with 6 SFP Gigabit Ethernet data ports (SX, LH, LX) for ASA 5525-X	ASA-IC-6GE-SFP-B
Cisco ASA Interface Card with 6 SFP Gigabit Ethernet data ports (SX, LH, LX) for ASA 5545-X and ASA 5555-X	ASA-IC-6GE-SFP-C
Cisco ASA Interface Card with 6 copper Gigabit Ethernet data ports for ASA 5512-X and ASA 5515-X (spare)	ASA-IC-6GE-CU-A=
Cisco ASA Interface Card with 6 copper Gigabit Ethernet data ports for ASA 5525-X (spare)	ASA-IC-6GE-CU-B=
Cisco ASA Interface Card with 6 copper Gigabit Ethernet data ports for ASA 5545-X and ASA 5555-X (spare)	ASA-IC-6GE-CU-C=
Cisco ASA Interface Card with 6 SFP Gigabit Ethernet data ports (SX, LH, LX) for ASA 5512-X and ASA 5515-X (spare)	ASA-IC-6GE-SFP-A=
Cisco ASA Interface Card with 6 SFP Gigabit Ethernet data ports (SX, LH, LX) for ASA 5525-X (spare)	ASA-IC-6GE-SFP-B=
Cisco ASA Interface Card with 6 SFP Gigabit Ethernet data ports (SX, LH, LX) for ASA 5545-X and ASA 5555-X (spare)	ASA-IC-6GE-SFP-C=
<b>Cisco ASA 5500 Series Software</b>	
Cisco ASA Software one-time upgrade for nonsupport customers	ASA-SW-UPGRADE=

Product Name	Part Number
<b>Application Visibility and Control (AVC) Software Subscriptions</b>	
ASA 5525-X CX Application Visibility and Control; 1-year	ASA5525-AP1Y
ASA 5525-X CX Application Visibility and Control; 1-year (eDelivery Spare)	L-ASA5525-AP1Y=
ASA 5525-X CX Application Visibility and Control; 3-year	ASA5525-AP3Y
ASA 5525-X CX Application Visibility and Control; 3-year (eDelivery Spare)	L-ASA5525-AP5Y=
ASA 5525-X CX Application Visibility and Control; 5-year	ASA5525-AP5Y
ASA 5525-X CX Application Visibility and Control; 5-year (eDelivery Spare)	L-ASA5525-AP5Y=
ASA 5545-X CX Application Visibility and Control; 1-year	ASA5545-AP1Y
ASA 5545-X CX Application Visibility and Control; 1-year (eDelivery Spare)	L-ASA5525-AP1Y=
ASA 5545-X CX Application Visibility and Control; 3-year	ASA5545-AP3Y
ASA 5545-X CX Application Visibility and Control; 3-year (eDelivery Spare)	L-ASA5545-AP5Y=
ASA 5545-X CX Application Visibility and Control; 5-year	ASA5545-AP5Y
ASA 5545-X CX Application Visibility and Control; 5-year (eDelivery Spare)	L-ASA5545-AP5Y=
ASA 5555-X CX Application Visibility and Control; 1-year	ASA5555-AP1Y
ASA 5555-X CX Application Visibility and Control; 1-year (eDelivery Spare)	L-ASA5555-AP1Y=
ASA 5555-X CX Application Visibility and Control; 3-year	ASA5545-AP3Y
ASA 5555-X CX Application Visibility and Control; 3-year (eDelivery Spare)	L-ASA5555-AP5Y=
ASA 5555-X CX Application Visibility and Control; 5-year	ASA5555-AP5Y
ASA 5555-X CX Application Visibility and Control; 5-year (eDelivery Spare)	L-ASA5555-AP5Y=
<b>Web Security Essentials (WSE) Software Subscriptions</b>	
ASA 5525-X CX Web Security Essentials; 1-year	ASA5525-WS1Y
ASA 5525-X CX Web Security Essentials; 1-year (eDelivery Spare)	L- ASA5525-WS1Y=
ASA 5525-X CX Web Security Essentials; 3-year	ASA5525-WS3Y
ASA 5525-X CX Web Security Essentials; 3-year (eDelivery Spare)	L- ASA5525-WS3Y=
ASA 5525-X CX Web Security Essentials; 5-year	ASA5525-WS5Y
ASA 5525-X CX Web Security Essentials; 5-year (eDelivery Spare)	L- ASA5525-WS5Y=
ASA 5545-X CX Web Security Essentials; 1-year	ASA5545-WS1Y
ASA 5545-X CX Web Security Essentials; 1-year (eDelivery Spare)	L- ASA5545-WS1Y=
ASA 5545-X CX Web Security Essentials; 3-year	ASA5545-WS3Y
ASA 5545-X CX Web Security Essentials; 3-year (eDelivery Spare)	L- ASA5545-WS3Y=
ASA 5545-X CX Web Security Essentials; 5-year	ASA5545-WS5Y
ASA 5545-X CX Web Security Essentials; 5-year (eDelivery Spare)	L- ASA5545-WS5Y=
ASA 5555-X CX Web Security Essentials; 1-year	ASA5555-WS1Y
ASA 5555-X CX Web Security Essentials; 1-year (eDelivery Spare)	L- ASA5555-WS1Y=
ASA 5555-X CX Web Security Essentials; 3-year	ASA5555-WS3Y
ASA 5555-X CX Web Security Essentials; 3-year (eDelivery Spare)	L- ASA5555-WS3Y=
ASA 5555-X CX Web Security Essentials; 5-year	ASA5555-WS5Y
ASA 5545-X Web Security Essentials; 5-year (eDelivery Spare)	L- ASA5555-WS5Y=



Product Name	Part Number
<b>Application Visibility and Control and Web Security Essentials Bundle (AVC + WSE) Software Subscriptions</b>	
ASA 5525-X CX Application Visibility and Control and Web Security Essentials; 1-year (Promotion)	ASA5525-AW1Y-PR
ASA 5525-X CX Application Visibility and Control and Web Security Essentials; 1-year (Promotion eDelivery Spare)	L-ASA5512-AW1Y-PR=
ASA 5525-X CX Application Visibility and Control and Web Security Essentials; 3-year (Promotion)	ASA5525-AW3Y-PR
ASA 5525-X CX Application Visibility and Control and Web Security Essentials; 3-year (Promotion eDelivery Spare)	L-ASA5525-AW3Y-PR =
ASA 5525-X CX Application Visibility and Control and Web Security Essentials; 5-year	ASA5525-AW5Y
ASA 5525-X CX Application Visibility and Control and Web Security Essentials; 5-year (eDelivery Spare)	L-ASA5525-AW5Y=
ASA 5545-X CX Application Visibility and Control and Web Security Essentials; 1-year (Promotion)	ASA5545-AW1Y-PR
ASA 5545-X CX Application Visibility and Control and Web Security Essentials; 1-year (Promotion eDelivery Spare)	L-ASA5545-AW1Y-PR =
ASA 5545-X CX Application Visibility and Control and Web Security Essentials; 3-year (Promotion)	ASA5545-AW3Y-PR
ASA 5545-X CX Application Visibility and Control and Web Security Essentials; 3-year (Promotion eDelivery Spare)	L-ASA5545-AW3Y-PR =
ASA 5545-X CX Application Visibility and Control and Web Security Essentials; 5-year	ASA5545-AW5Y
ASA 5545-X CX Application Visibility and Control and Web Security Essentials; 5-year (eDelivery Spare)	L-ASA5545-AW5Y=
ASA 5555-X CX Application Visibility and Control and Web Security Essentials; 1-year (Promotion)	ASA5555-AW1Y-PR
ASA 5555-X CX Application Visibility and Control and Web Security Essentials; 1-year (Promotion eDelivery Spare)	L-ASA5555-AW1Y-PR=
ASA 5555-X CX Application Visibility and Control and Web Security Essentials; 3-year (Promotion)	ASA5555-AW3Y-PR
ASA 5555-X CX Application Visibility and Control and Web Security Essentials; 3-year (Promotion eDelivery Spare)	L-ASA5555-AW3Y-PR=
ASA 5555-X CX Application Visibility and Control and Web Security Essentials; 5-year	ASA5555-AW5Y
ASA 5555-X CX Application Visibility and Control and Web Security Essentials; 5-year (eDelivery Spare)	L-ASA5555-AW5Y=
<b>Cisco ASA 5500 Series Accessories</b>	
Cisco ASA 5500 Series compact flash, 256 MB	ASA5500-CF-256MB=
Cisco ASA 5500 Series compact flash, 512 MB	ASA5500-CF-512MB=
Cisco ASA 5512-X through 5555-X 120 GB MLC SED SSD	ASA5500X-SSD120=
Cisco ASA 180W AC power supply	ASA-180W-PWR-AC=
Gigabit Ethernet optical SFP connector, 1000BASE-SX short-wavelength transceiver	GLC-SX-MM=
Gigabit Ethernet optical SFP connector, 1000BASE-LX/LH long-wavelength/long-haul transceiver	GLC-LH-SM=
Gigabit Ethernet optical SFP connector, 1000BASE-SX short-wavelength transceiver, DOM	GLC-SX-MMD=
Gigabit Ethernet optical SFP connector, 1000BASE-LX/LH long-wavelength/long-haul transceiver, DOM	GLC-LH-SMD=
Cisco ASA 5545-X/5555-X AC power supply	ASA-PWR-AC
Cisco ASA 5545-X/5555-X AC power supply (spare)	ASA-PWR-AC=
Cisco ASA 5545-X/5555-X DC power supply	ASA-PWR-DC
Cisco ASA 5512-X, 5515-X, 5525-X, 5545-X, 5555-X rail kit for rack mounting	ASA-RAILS=
Cisco ASA 5512-X, 5515-X, 5525-X brackets for rack mounting	ASA-BRACKETS=
Cisco ASA 5545-X/5555-X power slot (blank)	ASA-PWR-BLANK=
Cisco ASA 5525-X/5545-X/5555-X hard drive slot (blank)	ASA-HD-BLANK=
Cisco ASA 5525-X interface card slot (blank)	ASA-IC-B-BLANK=
Cisco ASA 5545-X/5555-X interface card slot (blank)	ASA-IC-C-BLANK=

## To Download the Software

Visit the [Cisco Software Center](#) to download Cisco ASA Software.

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## Service and Support

Cisco services help you protect your network investment, optimize network operations, and prepare your network for new applications to extend network intelligence and the power of your business.

Included in the “Operate” phase of the service lifecycle are Cisco Security IntelliShield Alert Manager Service, Cisco SMARTnet<sup>®</sup> Service, Cisco Service Provider Base, and Cisco Services for IPS. These services are suitable for enterprise, commercial, and service provider customers.

Cisco Security IntelliShield Alert Manager Service provides a customizable, web-based threat and vulnerability alert service that allows organizations to easily access timely, accurate, and credible information about potential vulnerabilities in their environment.

Cisco Services for IPS supports modules, platforms, and bundles of platforms and modules that feature IPS capabilities. Cisco SMARTnet and Service Provider Base support other products in this family.

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For more information, please visit the following links:

- Cisco ASA 5500 and ASA 5500-X Series Next-Generation Firewalls: <http://www.cisco.com/go/asa>
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- Cisco Security Services: [http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv\\_group\\_home.html](http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv_group_home.html)
- Cisco ASA 5500 Series and ASA 5500-X Series Licensing Information: [http://www.cisco.com/en/US/products/ps6120/products\\_licensing\\_information\\_listing.html](http://www.cisco.com/en/US/products/ps6120/products_licensing_information_listing.html)



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