

Cisco ASA 5505 Adaptive Security Appliance and ASA 5500-X Series Next-Generation Firewalls

Product Overview

Your small offices or branch locations require the best network security available. An integrated solution that is easy to deploy and manage improves IT efficiency. Affordable pricing and the ability to scale as necessary are other important product benefits. You get all that and more with the Cisco® ASA 5505 Adaptive Security Appliance and ASA 5500-X Series Next-Generation Firewalls. These multifaceted security products include the world's most proven stateful inspection firewall with a comprehensive suite of highly integrated next-generation firewall services for networks of all sizes. These firewalls are used and trusted by small and midsize businesses with one or a few locations, large enterprises, service providers, and mission-critical data centers.

Enterprise class security. Cisco MultiScale® performance, providing the ability to deliver multiple security services at scale. Unprecedented services flexibility. Modular scalability. Feature extensibility. And lower deployment and operational costs. All of these features and benefits add up to tremendous value in the Cisco ASA 5505 Adaptive Security Appliance and ASA 5500-X Series Next-Generation Firewalls. Available in a wide range of sizes and performance levels to fit your network, budget, and evolving security needs, all models deliver the same proven level of security that protects the networks of some of the largest and most security-conscious companies in the world. They also provide the visibility and control you need to take advantage of new applications and devices without compromising security.

Cisco ASA 5512-X and 5515-X Adaptive Security Appliances

The Cisco ASA 5512-X and 5515-X Adaptive Security Appliances 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 provide multiple security services and redundant power supplies and help enable consistent security enforcement throughout the organization. In addition to comprehensive stateful inspection firewall capabilities, the Cisco ASA 5512-X and 5515-X Adaptive Security Appliances optionally provide broad and deep network security through an array of integrated cloud- and software-based security services, including Cisco Application Visibility and Control (AVC), web security, Cisco Cloud Web Security (CWS), and the only context-aware intrusion prevention system (IPS) - all with no need for additional hardware modules.

The Cisco ASA 5512-X and ASA 5515-X Adaptive Security Appliances are part of the Cisco ASA 5500-X Series Next-Generation Firewalls, which is built on the same proven security platform as the rest of the Cisco ASA Family of firewalls and delivers exceptional application visibility and control along with superior performance and operational efficiency. The Cisco ASA 5512-X and 5515-X Adaptive Security Appliances 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 Next-Generation Firewalls keep 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 using:

- [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 1.2 Gbps of firewall throughput, 250,000 concurrent firewall connections, 15,000 connections per second, and 6 integrated Gigabit Ethernet interfaces, the Cisco ASA 5512-X and ASA 5515-X Adaptive Security Appliances are excellent choices for businesses requiring a high-performance, cost-effective, and extensible security solution with exceptional application visibility and control that can grow as your needs change.

Cisco ASA 5505 Adaptive Security Appliance

The Cisco ASA 5505 is a full-featured firewall for small business, branch, and enterprise teleworker environments. It delivers high-performance firewall, SSL and IPsec VPN, and rich networking services in a modular, immediately operational appliance. Using the integrated graphical Cisco Adaptive Security Device Manager (ASDM), the Cisco ASA 5505 can be rapidly deployed and easily managed, helping businesses reduce operational costs. It features a flexible 8-port 10/100 Fast Ethernet switch whose ports can be dynamically grouped to create up to three separate VLANs for home, business, and Internet traffic for improved network segmentation and security. The Cisco ASA 5505 provides two Power over Ethernet (PoE) ports, simplifying the deployment of Cisco IP phones with highly secure zero-touch voice over IP (VoIP) capabilities, as well as the deployment of external wireless access points for extended network mobility. A high-performance intrusion prevention and worm mitigation service is available with the addition of the Advanced Inspection and Prevention Security Services Card (AIP SSC). Multiple USB ports can be used to implement additional services and capabilities as they are needed.




As business needs grow, customers can install a Security Plus upgrade license. The Cisco ASA 5505 can then scale to support a higher connection capacity and up to 25 IPsec VPN users, add full DMZ support, and integrate into switched network environments through VLAN trunking support. Furthermore, this upgrade license improves business continuity by helping to enable support for redundant ISP connections and stateless active/standby high-availability services.

Businesses can also extend the Cisco ASA 5505's VPN service by enabling Cisco AnyConnect client and clientless VPN remote access to support various mobile workers and business partners. Cisco Secure Remote Access Solution deployments can scale to serve up to 25 AnyConnect or clientless VPN concurrent users on each Cisco ASA 5505 by installing an Essential or a Premium Cisco AnyConnect VPN license.

This combination of market-leading security and VPN services, advanced networking features, flexible remote management capabilities, and future extensibility makes the Cisco ASA 5505 an excellent choice for businesses requiring a best-in-class small business, branch, or enterprise teleworker security solution.

Table 1 compares the features and capacities of the Cisco ASA 5500 and ASA 5500-X platforms for small offices and branch locations.

Table 1. Cisco ASA 5500 Adaptive Security Appliance and ASA 5500-X Series Next-Generation Firewalls for Small Offices and Branch Locations

Feature	Cisco ASA 5505; Security Plus	Cisco ASA 5512-X; Security Plus	Cisco ASA 5515-X
			
Stateful inspection throughput (maximum ¹)	Up to 150 Mbps	1 Gbps	1.2 Gbps
Stateful inspection throughput (multiprotocol ²)	-	500 Mbps	600 Mbps
IPS throughput ³	Up to 75 Mbps with AIP-SSC-5	250 Mbps (extra hardware not required)	400 Mbps (extra hardware not required)
Next-generation throughput ⁴ (multiprotocol)	-	200 Mbps	350 Mbps
3DES/AES VPN throughput ⁵	Up to 100 Mbps	200 Mbps	250 Mbps
Users or nodes	Unlimited	Unlimited	Unlimited
IPsec VPN peers	25 ⁵	250	250
Cisco Cloud Web Security users	For detailed sizing guidance see the CWS Connector Sizing for ASA 5500 and ASA 5500-X		
Premium AnyConnect VPN peers (included/maximum)	2/25	2/250	2/250
Concurrent connections	10,000; 25,000 ⁵	100,000	250,000
New connections per second	4000	10,000	15,000
Virtual interfaces (VLANs)	3 (trunking disabled)/ 20 (trunking enabled)	50; 100	100
Security contexts (included/maximum) ⁶	Not available	0,0; 2,5	2,5
High availability	Not supported ⁷	Not supported; active/active and active/standby	Active/active and active/standby
Expansion slot	1 SSC	1 interface card	1 interface card
User-accessible flash slot	-	No	No
USB 2.0 ports	3 (1 on front, 2 on rear)	2	2
Integrated I/O	8 Fast Ethernet with 2 PoE ports	6 GE copper	6 GE copper
Expansion I/O	-	6 GE Copper or 6 GE SFP	6 GE Copper or 6 GE SFP
Serial ports	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console
Solid state drive	-	1 slot, 120 GB MLC SED	1 slot, 120 GB MLC SED
Memory	512 MB	4 GB	8 GB
Minimum system flash	128 MB	4 GB	8 GB
System bus	Multibus architecture	Multibus architecture	Multibus architecture
Temperature	32 to 104°F (0 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)
Relative humidity	5 to 95 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing
Altitude	Designed and tested for 0 to 9840 ft (3000 m); agency approved for 2000 m	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)

Feature	Cisco ASA 5505; Security Plus	Cisco ASA 5512-X; Security Plus	Cisco ASA 5515-X
Shock	1.14 m/sec (45 in./sec) 1/2 sine input	70G, 4.22 m/sec	70G, 4.22 m/sec
Vibration	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms2 (3 to 500 Hz) random input
Acoustic noise	60 dBA max	64.2 dBA max	64.2 dBA max
Temperature	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)
Relative humidity	5 to 95 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing
Altitude	0 to 15,000 ft (4570m)	Designed and tested for 0 to 15,000 ft (4570m)	Designed and tested for 0 to 15,000 ft (4570m)
Shock	30G	70G, 4.22 m/sec	70G, 4.22 m/sec
Vibration	0.41 Grms2 (3 to 500 Hz) random input	1.12 Grms2 (3 to 500 Hz) random input	1.12 Grms2 (3 to 500 Hz) random input
AC range line voltage	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
AC normal line voltage	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
AC current	1.8A	4.85A	4.85A
AC frequency	50/60 Hz	50/60 Hz	50/60 Hz
Dual-power supplies	None	None	None
DC domestic line voltage	See the ASA 5500 Series Hardware Installation Guide	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)
DC international line voltage	See the ASA 5500 Series Hardware Installation Guide	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)
DC current	See the ASA 5500 Series Hardware Installation Guide	15A (maximum input)	15A (maximum input)
Steady state	20W	51W	65W
Maximum peak	96W	56W	70W
Maximum heat dissipation	72 BTU/hr	192 BTU/hr	239 BTU/hr
Form factor	Desktop	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable
Dimensions (H x W x D)	1.75 x 7.89 x 6.87 in. (4.45 x 20.04 x 17.45 cm)	1.67 x 16.7 x 15.6 in (4.24 x 42.9 x 39.5 cm)	1.67 x 16.7 x 15.6 in (4.24 x 42.9 x 39.5 cm)
Weight (with AC power supply)	4.0 lb (1.8 kg)	13.39 lb (6.07 kg)	13.39 lb (6.07 kg)
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950	IEC 60950-1: 2005, 2 nd Edition EN 60950-1:2006+A11: 2009 UL 60950-1:2007, 2 nd Edition; CSA C22.2 No. 60950-1-07, 2 nd Edition	IEC 60950-1: 2005, 2 nd Edition EN 60950-1:2006+A11: 2009 UL 60950-1:2007, 2 nd Edition; CSA C22.2 No. 60950-1-07, 2 nd Edition
Electromagnetic compatibility (EMC)	CE marking, FCC Part 15 Class B, AS/NZS CISPR22 Class B, VCCI Class B, EN55022 Class B, CISPR22 Class B, 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: 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
Industry certifications	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	In process

¹ Maximum throughput measured with UDP traffic under ideal conditions.

² Multiprotocol = Traffic profile consisting primarily of TCP-based protocols/applications like HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS.

³ Firewall traffic that does not go through the IPS service can have higher throughput.

⁴ Throughput was measured using Cisco ASA CX Software Release 9.1.1 with multiprotocol traffic profile with both AVC and WSE. Traffic logging was enabled as well.

⁵ 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.

⁶ Separately licensed feature; includes two SSL licenses with base system.

Cisco ASA 5500 Series IPS 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 platform. 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 helps businesses 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 through the Advanced Inspection and Protection (AIP) Security Services Module (SSM) and AIP Security Services Card (SSC), or the comprehensive malware protection and content security services enabled by the Content Security and Control (CSC) SSM. Further, the Cisco ASA 5500 Series architecture allows Cisco to introduce services to address new threats, giving businesses outstanding investment protection.

The Cisco ASA 5500 Series IPS Security Services Processor (SSP), AIP SSM, and AIP SSC services 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 and AIP SSC models that are available and their respective performance and physical characteristics.

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

Feature	Cisco ASA 5500 Series AIP-SSC-5
	
Concurrent threat mitigation throughput (firewall plus IPS services)	75 Mbps with Cisco ASA 5505 Next-Generation Firewall
Technical Specifications	
Memory	512 MB
Flash	512 MB


Feature	Cisco ASA 5500 Series AIP-SSC-5
Environmental Operating Ranges	
Operating	
Temperature	32 to 104°F (0 to 40°C)
Relative humidity	5 to 95 percent noncondensing
Nonoperating	
Temperature	-13 to 158°F (-25 to 70°C)
Power consumption	30W maximum
Physical Specifications	
Dimensions (H x W x D)	0.68 x 3.55 x 5.2 in. (1.73 x 9.02 x 13.21 cm)
Weight (with power supply)	0.42 lb (0.19 kg)
Regulatory and Standards Compliance	
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950
Electromagnetic compatibility (EMC)	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, antispyware, 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. Licensing options help organizations 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, antispyware, 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
	
Supported platforms	Cisco ASA 5510 Adaptive Security Appliance
Standard and Optional Features	
Standard user license	50 users
Standard feature set	Antivirus, antispyware, file blocking
Optional user upgrades (total users)	<ul style="list-style-type: none"> • 100 users • 250 users • 500 users
Optional feature upgrades	Plus license: adds antispam, antiphishing, URL blocking and filtering, and content control

Feature	Cisco ASA 5500 Series CSC-SSM-10
Technical Specifications	
Memory	1 GB
System flash	256 MB
Environmental Operating Ranges	
Operating	
Temperature	32 to 104°F (0 to 40°C)
Relative Humidity	10 to 90 percent, noncondensing
Nonoperating	
Temperature	-13 to 158°F (-25 to 70°C)
Power consumption	90W maximum
Physical Specifications	
Dimensions (H x W x D)	1.70 x 6.80 x 12.25 in. (4.32 x 17.27 x 31.12 cm)
Weight (with power supply)	3.00 lb (1.36 kg)
Regulatory and Standards Compliance	
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950
Electromagnetic compatibility (EMC)	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 Next-Generation Firewall 6-Port Gigabit Ethernet Interface Cards

Cisco ASA 5500-X Series 6-port Gigabit Ethernet interface cards extend the I/O profile of the Cisco ASA 5512-X and ASA 5515-X Adaptive Security Appliances 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 4 lists the characteristics of the Cisco ASA 5500-X Series Next-Generation Firewall 6-port Gigabit Ethernet interface cards.

Table 4. Characteristics of Cisco ASA 5500-X Series Next-Generation Firewalls 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
		
Technical Specifications		
Integrated ports	Six 10/100/1000BASE-T	Six (Gigabit Ethernet optical SFP 1000BASE-SX or LX/LH transceiver supported)
Environmental Operating Ranges		
Operating		
Temperature	32 to 113°F (0 to 45°C)	32 to 113°F (0 to 45°C)
Relative humidity	5 to 95 percent noncondensing	5 to 95 percent noncondensing

Feature	Cisco ASA 5500-X Series 6-Port 10/100/1000	Cisco ASA 5500-X Series 6-Port GE SFP SX, LH, LX
Nonoperating		
Temperature	-40 to 149°F (-40 to 65°C)	-40 to 149°F (-40 to 65°C)
Power consumption	25W maximum	25W maximum
Physical Specifications		
Dimensions (H x W x D)	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)
Weight	1.00 lb (0.45 kg)	1.00 lb (0.45 kg)
Regulatory and Standards Compliance		
Safety	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
Electromagnetic compatibility (EMC)	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 5 provides ordering information for the Cisco ASA 5505 Adaptive Security Appliance and ASA 5500-X Series Next-Generation Firewalls.

Table 5. Ordering Information

Product Name	Part Number
Cisco ASA Next-Generation Firewall Services	
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES encryption, SSD 120G	ASA5512-SSD120-K8
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, 3DES/AES encryption, SSD 120G	ASA5512-SSD120-K9
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES encryption, SSD 120G	ASA5515-SSD120-K8
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, 3DES/AES encryption, SSD 120G	ASA5515-SSD120-K9
Cisco ASA 5500 Series and ASA 5500-X Series Firewall Edition Bundles	
Cisco ASA 5505 10-User Bundle; includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, Triple Data Encryption Standard/Advanced Encryption Standard (3DES/AES) license	ASA5505-BUN-K9
Cisco ASA 5505 10-User Bundle; includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, Data Encryption Standard (DES) license	ASA5505-K8
Cisco ASA 5505 50-User Bundle; includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5505-50-BUN-K9
Cisco ASA 5505 Unlimited-User Bundle; includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5505-UL-BUN-K9
Cisco ASA 5505 Unlimited-User Security Plus Bundle; includes 8-port Fast Ethernet switch, 25 IPsec VPN peers, 2 Premium VPN peers, DMZ, stateless Active/Standby high availability, 3DES/AES license	ASA5505-SEC-BUN-K9
Cisco ASA 5512-X Firewall Edition; includes firewall services, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, no payload encryption	ASA5512-K7
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES encryption	ASA5512-K8
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 DC power supply, DES license	ASA5512-DC-K8
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, 3DES/AES encryption	ASA5512-K9

Product Name	Part Number
Cisco ASA 5515-X Firewall Edition; includes firewall services, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, no payload encryption	ASA5515-K7
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES encryption	ASA5515-K8
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 DC power supply, DES license	ASA5515-DC-K8
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, 3DES/AES encryption	ASA5515-K9
Cisco ASA 5500 Series IPS Edition Bundles	
Cisco ASA 5505 50-User IPS Edition; includes AIP-SSC-5 (chassis, software, 8 Fast Ethernet interfaces, 10 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license)	ASA5505-50-AIP5-K9
Cisco ASA 5505 Unlimited-User IPS Edition; includes Security Plus License and AIP-SSC-5 (chassis, software, 8 Fast Ethernet interfaces, 25 IPsec VPN peers, 2 Premium VPN peers, DMZ support, stateless Active/Standby high availability, 3DES/AES license)	ASA5505-U-AIP5P-K9
Cisco ASA 5512-X IPS Edition; includes IPS service, 250 IPsec VPN peers, 2 SSL VPN peers, firewall services, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES license	ASA5512-IPS-K8
Cisco ASA 5512-X IPS Edition; includes IPS service, 250 IPsec VPN peers, 2 SSL VPN peers, firewall services, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES license	ASA5512-IPS-K9
Cisco ASA 5515-X IPS Edition; includes IPS service, 250 IPsec VPN peers, 2 SSL VPN peers, firewall services, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES license	ASA5515-IPS-K8
Cisco ASA 5515-X IPS Edition; includes IPS service, 250 IPsec VPN Peers, 2 SSL VPN peers, firewall services, 6 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, DES license	ASA5515-IPS-K9
Cisco ASA 5500 Series SSL/IPsec VPN Edition Bundles	
Cisco ASA 5505 SSL/IPsec VPN Edition; includes 10 IPsec VPN peers, 10 Premium VPN peers, 50 firewall users, 8-port Fast Ethernet switch	ASA5505-SSL10-K9
Cisco ASA 5505 SSL/IPsec VPN Edition; includes 25 IPsec VPN peers, 25 Premium VPN peers, 50 firewall users, 8-port Fast Ethernet switch	ASA5505-SSL25-K9
Security Services Modules	
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/antispayware, 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/antispayware, 1-year subscription	ASA-SSM-CSC-20-K9=
Cisco ASA 4-Port Gigabit Ethernet Security Services Module	SSM-4GE=
Interface Cards	
Cisco ASA 5512-X/5515-X 6-Port 10/100/1000 Interface Card	ASA-IC-6GE-CU-A
Cisco ASA 5512-X/5515-X 6-Port Gigabit Ethernet SFP SX, LH, LX Interface Card	ASA-IC-6GE-SFP-A
Cisco ASA 5512-X/5515-X 6-Port 10/100/1000 Interface Card (spare)	ASA-IC-6GE-CU-A=
Cisco ASA 5512-X/5515-X 6-Port Gigabit Ethernet SFP SX, LH, LX Interface Card (spare)	ASA-IC-6GE-SFP-A=
Cisco ASA 5500 Series Software	
Cisco ASA Software one-time upgrade for nonsupport customers	ASA-SW-UPGRADE=
Application Visibility and Control (AVC) Software Subscriptions	
ASA 5512-X CX Application Visibility and Control; 1-year	ASA5512-AP1Y

Product Name	Part Number
ASA 5512-X CX Application Visibility and Control; 1-year (eDelivery Spare)	L-ASA5512-AP1Y=
ASA 5512-X CX Application Visibility and Control; 3-year	ASA5512-AP3Y
ASA 5512-X CX Application Visibility and Control; 3-year (eDelivery Spare)	L-ASA5512-AP3Y=
ASA 5512-X CX Application Visibility and Control; 5-year	ASA5512-AP5Y
ASA 5512-X CX Application Visibility and Control; 5-year (eDelivery Spare)	L-ASA5512-AP5Y=
ASA 5515-X CX Application Visibility and Control; 1-year	ASA5515-AP1Y
ASA 5515-X CX Application Visibility and Control; 1-year (eDelivery Spare)	L-ASA5515-AP1Y=
ASA 5515-X CX Application Visibility and Control; 3-year	ASA5515-AP3Y
ASA 5515-X CX Application Visibility and Control; 3-year (eDelivery Spare)	L-ASA5515-AP3Y=
ASA 5515-X CX Application Visibility and Control; 5-year	ASA5515-AP5Y
ASA 5515-X CX Application Visibility and Control; 5-year (eDelivery Spare)	L-ASA5515-AP5Y=
Web Security Essentials (WSE) Software Subscriptions	
ASA 5512-X CX Web Security Essentials; 1-year	ASA5512-WS1Y
ASA 5512-X CX Web Security Essentials; 1-year (eDelivery Spare)	L-ASA5512-WS1Y=
ASA 5512-X CX Web Security Essentials; 3-year	ASA5512-WS3Y
ASA 5512-X CX Web Security Essentials; 3-year (eDelivery Spare)	L- ASA5512-WS3Y=
ASA 5512-X CX Web Security Essentials; 5-year	ASA5512-WS5Y
ASA 5512-X CX Web Security Essentials; 5-year (eDelivery Spare)	L-ASA5512-WS5Y=
ASA 5515-X CX Web Security Essentials; 1-year	ASA5515-WS1Y
ASA 5515-X CX Web Security Essentials; 1-year (eDelivery Spare)	L-ASA5515-WS1Y=
ASA 5515-X CX Web Security Essentials; 3-year	ASA5515-WS3Y
ASA 5515-X CX Web Security Essentials; 3-year (eDelivery Spare)	L- ASA5515-WS3Y=
ASA 5515-X CX Web Security Essentials; 5-year	ASA5515-WS5Y
ASA 5515-X CX Web Security Essentials; 5-year (eDelivery Spare)	L- ASA5515-WS5Y=
Application Visibility and Control and Web Security Essentials Bundle (AVC + WSE) Software Subscriptions	
ASA 5512-X CX AVC and Web Security Essentials; 1-year (Promotion)	ASA5512-AW1Y-PR
ASA 5512-X CX AVC and Web Security Essentials; 1-year (Promotion eDelivery Spare)	L-ASA5512-AW1Y-PR=
ASA 5512-X CX AVC and Web Security Essentials; 3-year (Promotion)	ASA5512-AW3Y-PR
ASA 5512-X CX AVC and Web Security Essentials; 3-year (Promotion eDelivery Spare)	L-ASA5512-AW3Y-PR=
ASA 5512-X CX AVC and Web Security Essentials; 5-year	ASA5512-AW5Y
ASA 5512-X CX AVC and Web Security Essentials; 5-year (eDelivery Spare)	L-ASA5512-AW5Y=
ASA 5515-X CX AVC and Web Security Essentials; 1-year (Promotion)	ASA5515-AW1Y-PR
ASA 5515-X CX AVC and Web Security Essentials; 1-year (Promotion eDelivery Spare)	L-ASA5515-AW1Y-PR=
ASA 5515-X CX AVC and Web Security Essentials; 3-year (Promotion)	ASA5515-AW3Y-PR
ASA 5515-X CX AVC and Web Security Essentials; 3-year (Promotion eDelivery Spare)	L-ASA5515-AW3Y-PR=
ASA 5515-X CX AVC and Web Security Essentials; 5-year	ASA5515-AW5Y
ASA 5515-X CX AVC and Web Security Essentials; 5-year (eDelivery Spare)	L-ASA5515-AW5Y=
Cisco ASA 5500 Series Accessories	
Cisco ASA 5500 Series compact flash, 256 MB	ASA5500-CF-256MB=
Cisco ASA 5512-X through 5555-X 120 GB MLC SED SSD	ASA5500X-SSD120=
Cisco ASA 5500 Series compact flash, 512 MB	ASA5500-CF-512MB=
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=

Product Name	Part Number
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 5580 spare AC power supply	ASA5580-PWR-AC=
Cisco ASA 5580 spare rail kit	ASA5580-RAILS=
Cisco ASA 5512-X, 5515-X, 5525-X, 5545-X, 5555-X spare rail kit	ASA-RAILS=
Cisco ASA 5512-X, 5515-X, 5525-X brackets for rack mounting	ASA-BRACKETS=
Cisco ASA 5512-X/5515-X interface card (blank)	ASA-IC-A-BLANK=
Cisco ASA 5512-X, 5515-X, 5525-X, 5545-X, 5555-X spare hard drive slot cover	ASA-HD-BLANK=

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- Cisco Security Services: 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




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