

# Cisco ASA 5500-X Series Next-Generation Firewalls

## Product Overview

How do you deliver enterprise-class security for small offices while meeting their network, budgetary, and performance requirements? With Cisco® ASA CX 5500-X Series Next-Generation Firewalls (ASA CX). They combine proven stateful inspection firewall features with the ASA CX Context-Aware suite of next-generation firewall services for networks of all sizes: small and midsize businesses with one or more locations, large enterprises, service providers, and mission-critical data centers. The Cisco ASA CX firewalls deliver:

- Scalable performance
- Industry-leading service flexibility
- Modular scalability
- Feature extensibility
- Low deployment and operational costs

Before you add these services to the Cisco ASA 5500-X Series or purchase the ASA 5500-X Series, consider our newest offering, the [Cisco ASA with FirePOWER™ Services](#). For a similar price, you can get proven ASA firewall protection combined with industry-leading Sourcefire® threat and advanced malware protection (AMP) in a single device.

## Features and Benefits

Available in a wide range of sizes, Cisco ASA CX models provide the same level of security that protects the networks of some of the largest and most security-conscious companies in the world. They also provide Cisco ASA CX series next-generation firewall services, which include Cisco Application Visibility and Control (AVC), web security, botnet filtering, and intrusion prevention, so you can add these security features to new applications and devices in your network.

Cisco ASA CX 5500-X Series Next-Generation Firewalls for small offices and branch locations protect critical assets in several ways:

- Exceptional next-generation firewall services provide the visibility and detailed control that your enterprise needs to safely take advantage of new applications and devices.<sup>1</sup>
- Cisco AVC controls specific behaviors within allowed microapplications.
- Cisco Web Security Essentials (WSE) restricts web and web application use based on the reputation of a site.
- Broad and deep network security through an array of integrated cloud- and software-based next-generation firewall services is backed by Cisco Security Intelligence Operations (SIO).
- A highly effective intrusion prevention system (IPS) is provided with Cisco Global Correlation.

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

- A high-performance VPN and always-on remote access are included.
- Additional security services can be implemented quickly and easily in response to changing needs.

## Cisco ASA CX 5500-X Models






The Cisco ASA 5512-X, 5515-X, 5525-X, 5545-X, and 5555-X CX Series 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 support consistent security enforcement throughout your organization. In addition to comprehensive stateful inspection firewall capabilities, optional features include integrated cloud- and software-based security services, Cisco AVC, Cisco WSE, Cisco Cloud Web Security (CWS), and IPS. Cisco next-generation firewalls are managed by [Cisco Prime™ Security Manager](#). These models vary in their performance and throughput capabilities and in the services and number of users that can be supported by each model. Depending on the customer requirements and performance needs, these firewalls can be deployed at small office, Internet edge, and data center locations.

This ASA CX series of next-generation firewalls 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. These firewalls provide next-generation services that make it possible to take advantage of new applications and devices without compromising security. Unlike other firewalls, the Cisco ASA 5500-X Series keeps pace with rapidly evolving needs by offering end-to-end network intelligence gained by combining the visibility of local traffic with in-depth global network intelligence. The Cisco ASA 5500-X Series is supported by:

- [Cisco TrustSec® Technology](#)
- [Cisco AnyConnect® Secure Mobility Solution for Unique Mobile Client Insight](#)
- [Cisco SIO for Near-Real-Time Threat Information and Proactive Protection](#)
- [Cisco ASA Next-Generation Firewall Services](#)

Table 1 compares the features and capacities of the different ASA 5500-X Series Next-Generation Firewalls for small offices, branch locations, and Internet-edge deployments.

**Table 1.** Cisco ASA 5500-X CX Series Next-Generation Firewalls

Feature	Cisco ASA 5512-X, Security Plus	Cisco ASA 5515-X	Cisco ASA 5525-X	Cisco ASA 5545-X	Cisco ASA 5555-X
					
Stateful inspection throughput (maximum <sup>2</sup> )	1 Gbps	1.2 Gbps	2 Gbps	3 Gbps	4 Gbps
Stateful inspection throughput (multiprotocol <sup>3</sup> )	500 Mbps	600 Mbps	1 Gbps	1.5 Gbps	2 Gbps
ASA IPS throughput <sup>4</sup>	250 Mbps (extra hardware not required)	400 Mbps (extra hardware not required)	600 Mbps	900 Mbps (extra hardware not required)	1.3 Gbps (extra hardware not required)

<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 like HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS.

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

Feature	Cisco ASA 5512-X, Security Plus	Cisco ASA 5515-X	Cisco ASA 5525-X	Cisco ASA 5545-X	Cisco ASA 5555-X
<b>Next-generation firewall throughput<sup>5</sup> (multiprotocol)</b>	200 Mbps	350 Mbps	650 Mbps	1 Gbps	1.4 Gbps
<b>Triple Data Encryption Standard/Advanced Encryption Standard (3DES/AES) VPN throughput<sup>6</sup></b>	200 Mbps	250 Mbps	300 Mbps	400 Mbps	700 Mbps
<b>Users or nodes</b>	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>IPsec VPN peers</b>	250	250	750	2500	5000
<b>Cisco Cloud Web Security users</b>	2000	3000	4000	5000	6000
<b>Cisco AnyConnect Premium VPN peers (included; maximum)</b>	2; 250	2; 250	2;750	2; 2500	2; 5000
<b>Concurrent connections</b>	100,000	250,000	500,000	750,000	1,000,000
<b>New connections per second</b>	10,000	15,000	20,000	30,000	50,000
<b>Virtual interfaces (VLANs)</b>	50; 100	100	200	300	500
<b>Security contexts<sup>7</sup> (included; maximum)</b>	0, 0; 2, 5	2, 5	2; 20	2; 50	2; 100
<b>High availability</b>	Not supported; 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 interface card	1 interface card	1 interface card	1 interface card	1 interface card
<b>User-accessible Flash slot</b>	No	No	0	-	0
<b>USB 2.0 ports</b>	2	2	2	2	2
<b>Integrated I/O</b>	6 Gigabit Ethernet (GE) copper	6 GE copper	8 GE copper	8 GE copper	8 GE copper
<b>Expansion I/O</b>	6 GE copper or 6 GE Small Form-Factor Pluggable (SFP)	6 GE copper or 6 GE SFP	6 GE copper or 6 GE SFP	6 GE copper or 6 GE SFP	6 GE copper or 6 GE SFP
<b>Dedicated management port</b>	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)
<b>Serial ports</b>	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console
<b>Solid-state drive</b>	1 slot, 120 GB multiline configurator self-encrypting drive (MLC SED)	1 slot, 120 GB MLC SED	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>	4 GB	8 GB	8 GB	12 GB	16 GB
<b>Minimum system flash</b>	4 GB	8 GB	8 GB	8 GB	8 GB
<b>System bus</b>	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture
<b>Operating</b>					
<b>Temperature</b>	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)

<sup>5</sup> 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.

<sup>6</sup> PN 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.

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

Feature	Cisco ASA 5512-X, Security Plus	Cisco ASA 5515-X	Cisco ASA 5525-X	Cisco ASA 5545-X	Cisco ASA 5555-X
<b>Relative humidity</b>	10 to 90 percent noncondensing	10 to 90 percent noncondensing	90 percent	90 percent	90 percent
<b>Altitude</b>	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3050 m)
<b>Shock</b>	70 G, 4.22 m/sec	70 G, 4.22 m/sec	50 G, 2 m/sec	50 G, 2 m/sec	50 G, 2 m/sec
<b>Vibration</b>	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	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms2 (3 to 500 Hz) random input
<b>Acoustic noise</b>	64.2 A-weighted decibels (dBA) max	64.2 dBA max	64.2 dBA max	67.9 dBA max	67.9 dBA max
<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)
<b>Relative humidity</b>	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent	10 to 90 percent	10 to 90 percent
<b>Altitude</b>	Designed and tested for 0 to 15,000 ft (4570 m)	Designed and tested for 0 to 15,000 ft (4570 m)	Designed and tested for 0 to 15,000 ft (4572m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)
<b>Shock</b>	70G, 4.22 m/sec	70G, 4.22 m/sec	70G, 4.22 m/sec	70G, 4.22 m/sec	70G, 4.22 m/sec
<b>Vibration</b>	1.12 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	1.12 Grms2 (3 to 500 Hz) random input	1.12 Grms2 (3 to 500 Hz) random input
<b>Power</b>					
<b>Input (per Power Supply)</b>					
<b>AC range line voltage</b>	100 to 240 volts alternating current (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
<b>AC current</b>	4.85A	4.85A	4.85A	5A, 100 to 120V 2.5A, 200 to 240V	5A, 100 to 120V 2.5A, 200 to 240V
<b>AC frequency</b>	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
<b>Dual-power supplies</b>	None	None	None	Yes	Yes
<b>DC domestic line voltage</b>	-40.5 to 56 volts direct current (VDC) (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)
<b>DC international line voltage</b>	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)
<b>DC current</b>	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)
<b>Output</b>					
<b>Steady state</b>	51W	65W	75W	86W	90W
<b>Maximum peak</b>	56W	70W	108W	125W	134W
<b>Maximum heat dissipation</b>	192 British thermal units (Btu)/hr	239 Btu/hr	369 Btu/hr	427 Btu/hr	458 Btu/hr
<b>Form factor</b>	1 rack unit (RU), 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable
<b>Dimensions (H x W x D)</b>	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)	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)	1.67 x 16.7 x 19.1 in. (4.24 x 42.9 x 48.4 cm)
<b>Weight (with AC power supply)</b>	13.39 lb (6.07 kg)	13.39 lb (6.07 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	16.82 lb (7.63 kg) with single power supply 18.86 lb (8.61 kg) with dual power supply

Feature	Cisco ASA 5512-X, Security Plus	Cisco ASA 5515-X	Cisco ASA 5525-X	Cisco ASA 5545-X	Cisco ASA 5555-X	
<b>Safety</b>	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	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	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	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	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	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: 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	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	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
<b>Industry certifications</b>	In process	In process	In process	In process	In process	



## Cisco ASA 5500-X Series 6-Port GE 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 Cisco ASA 5515-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 through the use of EtherChannel
- Support for jumbo Ethernet frames of up to 9000 bytes
- Protection against cable failure for the most demanding active/active failover and full-mesh firewall deployments

Table 2 lists the characteristics of the Cisco ASA 5500-X Series 6-port GE interface cards.

**Table 2.** Characteristics of Cisco ASA 5500-X Series 6-Port GE Interface Cards

Feature	Cisco ASA 5500-X Series 6-Port 10/100/1000	Cisco ASA 5500-X Series 6-Port GE SFP SX, LH, and LX
		
<b>Technical Specifications</b>		
<b>Integrated ports</b>	Six 10/100/1000BASE-T	Six GE optical SFP 1000BASE-SX, 1000BASE-LX, or 1000BASE-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

Feature	Cisco ASA 5500-X Series 6-Port 10/100/1000	Cisco ASA 5500-X Series 6-Port GE SFP SX, LH, and LX
<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 homepage](#). Table 3 provides ordering information for the Cisco ASA 5500 Series and the Cisco ASA 5500-X Series Next-Generation Firewalls.

**Table 3.** Ordering Information

Product Description	Part Number
<b>Cisco ASA Next-Generation Firewall Services</b>	
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, DES encryption, and solid-state drive (SSD) 120 GB	ASA5512-SSD120-K8
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, 3DES/AES encryption, SSD 120 GB	ASA5512-SSD120-K9
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, DES encryption, SSD 120 GB	ASA5515-SSD120-K8
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, 3DES/AES encryption, SSD 120 GB	ASA5515-SSD120-K9
Cisco ASA 5525-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, DES encryption, SSD 120 GB	ASA5525-SSD120-K8
Cisco ASA 5525-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, 3DES/AES encryption, SSD 120 GB	ASA5525-SSD120-K9
Cisco ASA 5545-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, DES encryption, 2 SSD 120 GB	ASA5545-2SSD120-K8
Cisco ASA 5545-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, 3DES/AES encryption, 2 SSD 120 GB	ASA5545-2SSD120-K9
Cisco ASA 5555-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, DES encryption, 2 SSD 120 GB	ASA5555-2SSD120-K8
Cisco ASA 5555-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE management port, 1 AC power supply, 3DES/AES encryption, 2 SSD 120 GB	ASA5555-2SSD120-K9

Product Description	Part Number
<b>Cisco ASA 5500-X Series Firewall Edition Bundles</b>	
Cisco ASA 5512-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE management port, 1 AC power supply, 3DES/AES encryption	ASA5512-K9
Cisco ASA 5515-X Firewall Edition; includes firewall services, 250 IPsec VPN peers, 2 SSL VPN peers, 6 copper GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE management port, 1 AC power supply, 3DES/AES encryption	ASA5515-K9
Cisco ASA 5525-X Firewall Edition; includes firewall services, 750 IPsec VPN peers, 2 SSL VPN peers, 8 copper GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE management port, 1 AC power supply, Active/Active high availability, 2 security contexts, 3DES/AES license	ASA5525-K9
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper GE data ports, 1 copper GE management port, 1 AC power supply, Active/Active high availability, 2 security contexts, no payload encryption	ASA5545-K7
Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE management port, 1 DC power supply, Active/Active high availability, 2 security contexts, DES license	ASA5555-DC-K8

Product Description	Part Number
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper GE data ports, 1 copper GE management port, 1 AC power supply, Active/Active high availability, 2 security contexts, 3DES/AES license	ASA5555-K9
Cisco ASA 5555-X Firewall Edition; includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 14 copper GE data ports, 1 copper GE 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-X Series ASA IPS Edition Bundles</b>	
Cisco ASA 5512-X IPS Edition; includes IPS service, 250 IPsec VPN peers, 2 SSL VPN peers, firewall services, 6 copper GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE management port, 1 AC power supply, DES license	ASA5515-IPS-K9
Cisco ASA 5525-X IPS Edition; includes IPS service, 750 IPsec VPN peers, 2 SSL VPN peers, firewall services, 8 copper GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE 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 GE data ports, 1 copper GE management port, 1 AC power supply, Active/Active high availability, 2 security contexts, 3DES/AES license	ASA5555-IPS-K9
<b>Cisco Interface Cards</b>	
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5512-X and ASA 5515-X	ASA-IC-6GE-CU-A
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5525-X	ASA-IC-6GE-CU-B
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5545-X and ASA 5555-X	ASA-IC-6GE-CU-C
Cisco ASA Interface Card with 6 SFP GE data ports (SX, LH, and LX) for ASA 5512-X and ASA 5515-X	ASA-IC-6GE-SFP-A
Cisco ASA Interface Card with 6 SFP GE data ports (SX, LH, and LX) for ASA 5525-X	ASA-IC-6GE-SFP-B
Cisco ASA Interface Card with 6 SFP GE data ports (SX, LH, and LX) for ASA 5545-X and ASA 5555-X	ASA-IC-6GE-SFP-C
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5512-X and ASA 5515-X (spare)	ASA-IC-6GE-CU-A=
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5525-X (spare)	ASA-IC-6GE-CU-B=
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5545-X and ASA 5555-X (spare)	ASA-IC-6GE-CU-C=
Cisco ASA Interface Card with 6 SFP GE data ports (SX, LH, and LX) for ASA 5512-X and ASA 5515-X (spare)	ASA-IC-6GE-SFP-A=
<b>Cisco ASA 5500 Series Software</b>	
Cisco ASA Software one-time upgrade for nonsupport customers (spare)	ASA-SW-UPGRADE=



Product Description	Part Number
<b>ASA Next-Generation Firewall Services Software Subscriptions: 3-Year Term (1-Year and 5-Year Service Software Bundle Subscriptions Can Be Purchased as well as Individual Cisco AVC, WSE, and Next-Generation Firewall IPS Service Software Subscriptions with 1-Year, 3-Year, and 5-Year Terms)</b>	
ASA 5512-X with Cisco AVC, WSE, and IPS, 3-year	ASA5512-AWI3Y
ASA 5515-X AVC, WSE, and IPS, 3-year	ASA5515-AWI3Y
ASA 5525-X AVC, WSE, and IPS, 3-year	ASA5525-AWI3Y
ASA 5545-X AVC, WSE, and IPS, 3-year	ASA5545-AWI3Y
ASA 5555-X AVC, WSE, and IPS, 3-year	ASA5555-AWI3Y
ASA 5512-X AVC and WSE, 3-year	ASA5512-AW3Y
ASA 5515-X AVC and WSE, 3-year	ASA5515-AW3Y
ASA 5525-X AVC and WSE, 3-year	ASA5525-AW3Y
ASA 5545-X AVC and WSE, 3-year	ASA5545-AW3Y
ASA 5555-X AVC and WSE, 3-year	ASA5555-AW3Y
ASA 5515-X AVC and NGFW IPS, 3-year	ASA5515-AI3Y
ASA 5525-X AVC and NGFW IPS, 3-year	ASA5525-AI3Y
ASA 5545-X AVC and NGFW IPS, 3-year	ASA5545-AI3Y
ASA 5555-X AVC and NGFW IPS, 3-year	ASA5555-AI3Y
<b>Intrusion Prevention (I) Software Subscriptions</b>	
Cisco ASA 5512-X IPS; 1-year	ASA5512-NI1Y
Cisco ASA 5512-X IPS; 3-year	ASA5512-NI3Y
Cisco ASA 5512-XIPS; 5-year	ASA5512-NI5Y
Cisco ASA 5515-X IPS; 1-year	ASA5515-NI1Y
Cisco ASA 5515-X IPS; 3-year	ASA5515-NI3Y
Cisco ASA 5515-X IPS; 5-year	ASA5515-NI5Y
Cisco ASA 5525-X IPS; 1-year	ASA5525-NI1Y
Cisco ASA 5525-X IPS; 3-year	ASA5525-NI3Y
Cisco ASA 5525-X IPS; 5-year	ASA5525-NI5Y
Cisco ASA 5545-X IPS; 1-year	ASA5545-NI1Y
Cisco ASA 5545-X IPS; 3-year	ASA5545-NI3Y
Cisco ASA 5545-X IPS; 5-year	ASA5545-NI5Y
Cisco ASA 5555-X IPS; 1-year	ASA5555-NI1Y
Cisco ASA 5555-X IPS; 3-year	ASA5555-NI3Y
Cisco ASA 5555-X IPS; 5-year	ASA5555-NI5Y
<b>Cisco ASA 5500 Series Accessories</b>	
Cisco ASA 5500 Series compact flash, 256 MB (spare)	ASA5500-CF-256MB=
Cisco ASA 5512-X through 5555-X 120 GB MLC SED SSD (spare)	ASA5500X-SSD120=
Cisco ASA 5500 Series compact flash, 512 MB (spare)	ASA5500-CF-512MB=
Cisco ASA 180W AC power supply (spare)	ASA-180W-PWR-AC=
Cisco GE optical SFP connector, 1000BASE-SX short-wavelength transceiver (spare)	GLC-SX-MM=
Cisco GE optical SFP connector, 1000BASE-LX/LH long-wavelength/long-haul transceiver (spare)	GLC-LH-SM=
Cisco GE optical SFP connector, 1000BASE-SX short-wavelength transceiver, digital optical monitoring (DOM) (spare)	GLC-SX-MMD=
Cisco GE optical SFP connector, 1000BASE-LX/LH long-wavelength/long-haul transceiver, DOM (spare)	GLC-LH-SMD=
Cisco ASA 5580 AC power supply (spare)	ASA5580-PWR-AC=

Product Description	Part Number
Cisco ASA 5580 rail kit (spare)	ASA5580-RAILS=
Cisco ASA 5512-X, 5515-X, 5525-X, 5545-X, and 5555-X rail kit (spare)	ASA-RAILS=
Cisco ASA 5512-X, 5515-X, 5525-X brackets for rack mounting (spare)	ASA-BRACKETS=
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 and 5515-X interface card (blank) (spare)	ASA-IC-A-BLANK=
Cisco ASA 5512-X, 5515-X, 5525-X, 5545-X, and 5555-X spare hard drive slot cover (spare)	ASA-HD-BLANK=
Cisco ASA 5525-X, 5545-X, and 5555-X hard drive slot (blank) (spare)	ASA-HD-BLANK=
Cisco ASA 5525-X interface card slot (blank) (spare)	ASA-IC-B-BLANK=
Cisco ASA 5545-X and 5555-X interface card slot (blank) (spare)	ASA-IC-C-BLANK=

## To Download the Software

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

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Included in the “Operate” phase of the service lifecycle are the Cisco Security IntelliShield<sup>®</sup> 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.

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

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

## For More Information

For more information, please visit the following links:

- Cisco ASA 5500-X Series Next-Generation Firewalls: <http://www.cisco.com/go/asa>
- Cisco Adaptive Security Device Manager: <http://www.cisco.com/go/asdm>
- Cisco Prime Security Manager: <http://www.cisco.com/go/prsm>
- 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-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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