

## Cisco ASA with FirePOWER Services

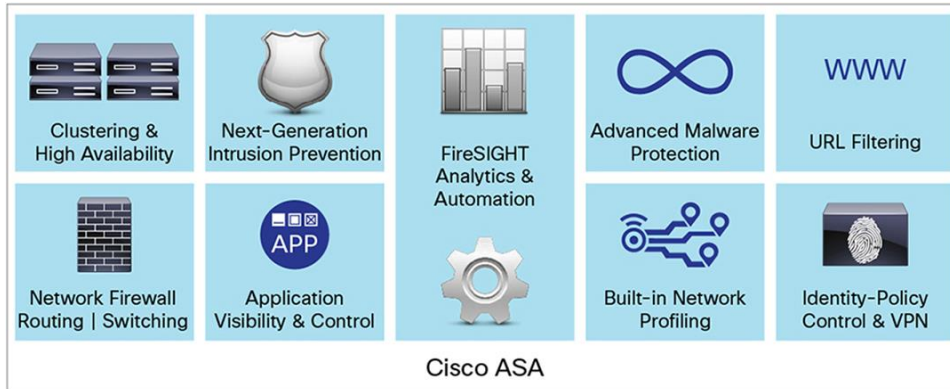
Meet the industry's first adaptive, threat-focused next-generation firewall (NGFW) designed for a new era of threat and advanced malware protection. Cisco® ASA with FirePOWER Services delivers integrated threat defense for the entire attack continuum - before, during, and after an attack. How? By combining the proven security capabilities of the Cisco ASA firewall with the industry-leading Sourcefire® threat and Advanced Malware Protection (AMP) features together in a single device. The solution uniquely extends the capabilities of the Cisco ASA 5500-X Series Next-Generation Firewalls beyond what today's NGFW solutions are capable of. Whether you need protection for a small or mid-sized business, an enterprise, or a single data center, Cisco® ASA with FirePOWER Services provides the needed scale and context in a NGFW solution.

### Superior Multilayered Protection

Cisco ASA with FirePOWER Services brings distinctive threat-focused next-generation security services to the Cisco ASA 5500-X Series Next-Generation Firewalls and Cisco ASA 5585-X Adaptive Security Appliance firewall products. It provides comprehensive protection from known and advanced threats, including protection against targeted and persistent malware attacks (Figure 1). Cisco ASA is the world's most widely deployed, enterprise-class stateful firewall. Cisco ASA with FirePOWER Services features these comprehensive capabilities:

- Site-to-site and remote access VPN and advanced clustering provide highly secure, high-performance access and high availability to help ensure business continuity.
- Granular Application Visibility and Control (AVC) supports more than 3,000 application-layer and risk-based controls that can launch tailored intrusion prevention system (IPS) threat detection policies to optimize security effectiveness.
- The industry-leading Cisco ASA with FirePOWER next-generation IPS (NGIPS) provides highly effective threat prevention and full contextual awareness of users, infrastructure, applications, and content to detect multivector threats and automate defense response.
- Reputation- and category-based URL filtering offer comprehensive alerting and control over suspicious web traffic and enforce policies on hundreds of millions of URLs in more than 80 categories.
- AMP provides industry-leading breach detection effectiveness, a low total cost of ownership, and superior protection value that helps you discover, understand, and stop malware and emerging threats missed by other security layers.

**Figure 1.** Cisco ASA with FirePOWER Services: Key Security Features



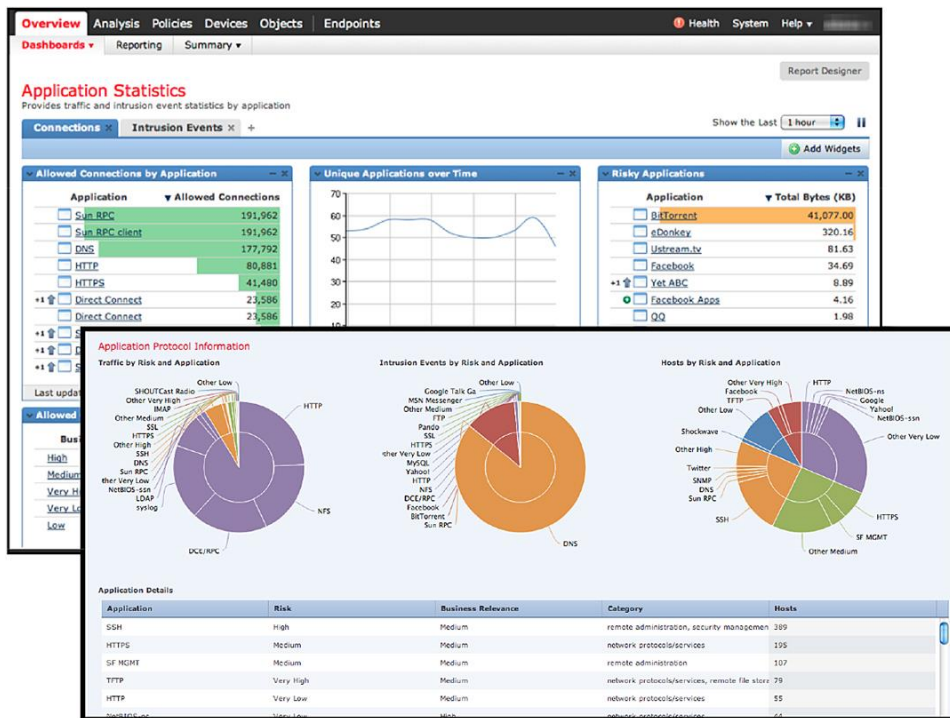
### Unprecedented Network Visibility

Cisco ASA with FirePOWER Services is centrally managed by the Cisco FireSIGHT Management Center, which provides security teams with comprehensive visibility into and control over activity within the network. Such visibility includes users, devices, communication between virtual machines, vulnerabilities, threats, client-side applications, files, and web sites. Holistic, actionable indications of compromise (IoCs) correlate detailed network and endpoint event information and provide further visibility into malware infections. Cisco's enterprise-class management tools help administrators reduce complexity with unmatched visibility and control across NGFW deployments. Cisco FireSIGHT Management Center also provides content awareness with malware file trajectory that aids infection scoping and root cause determination to speed time to remediation.

Cisco Security Manager provides scalable and centralized network operations workflow management. It integrates a powerful suite of capabilities; including policy and object management, event management, reporting, and troubleshooting for Cisco ASA firewall functions when utilizing Cisco FireSIGHT Management Center.

For local, on-device management including deployments for small and midsized businesses, Cisco Adaptive Security Device Manager (ASDM) 7.3.x provides, access control and advanced threat defense management. ASDM V 7.3.x provides an enhanced user interface that provides quick views on trends and the ability to drill down for further analysis.

Figure 2. Cisco FireSIGHT Management Center: Intuitive High-level and Detailed Drill-Down Dashboards



## Reduced Costs and Complexity

Cisco ASA with FirePOWER Services incorporates an integrated approach to threat defense, reducing capital and operating costs and administrative complexity. It smoothly integrates with the existing IT environment, work stream, and network fabric. The appliance family is highly scalable, performs at up to multigigabit speeds, and provides consistent and robust security across branch, Internet edge, and data centers in both physical and virtual environments.

With Cisco FireSIGHT Management Center, administrators can streamline operations to correlate threats, assess their impact, automatically tune security policy, and easily attribute user identities to security events. Cisco FireSIGHT Management Center continually monitors how the network is changing over time. New threats are automatically assessed to determine which ones can affect your business. Responses are then focused on remediation and network defenses are adapted to changing threat conditions. Critical security activities such as policy tuning are automated, saving time and effort, while protections and countermeasures are maintained in an optimal state.

Cisco FireSIGHT Management Center integrates easily with third-party security solutions through the eStreamer API to streamline operation workflows and fit existing network fabrics.

Table 1 highlights the best-in-class features and benefits of Cisco ASA with FirePOWER Services.

**Table 1.** Features and Benefits of Cisco ASA with FirePOWER Services

Feature	Benefits
<b>Next-generation firewall</b>	Industry's first threat-focused NGFW; provides ASA firewall functionality, advanced threat protection, and advanced breach detection and remediation combined in a single device
<b>Proven ASA firewall</b>	Rich routing, stateful firewall, Network Address Translation, and dynamic clustering for high-performance, highly secure, and reliable access with Cisco AnyConnect® VPN
<b>Market-leading NGIPS</b>	Superior threat prevention and mitigation for both known and unknown threats
<b>Advanced malware protection</b>	Detection, blocking, tracking, analysis, and remediation to protect the enterprise against targeted and persistent malware attacks
<b>Full contextual awareness</b>	Policy enforcement based on complete visibility of users, mobile devices, client-side applications, communication between virtual machines, vulnerabilities, threats, and URLs
<b>Application control and URL filtering</b>	Application-layer control (over applications, geolocations, users, websites) and ability to enforce usage and tailor detection policies based on custom applications and URLs
<b>Enterprise-class management</b>	Dashboards and drill-down reports of discovered hosts, applications, threats, and indications of compromise for comprehensive visibility
<b>Streamlined operations automation</b>	Lower operating cost and administrative complexity with threat correlation, impact assessment, automated security policy tuning, and user identification
<b>Purpose-built, scalable</b>	Highly scalable security appliance architecture that performs at up to multigigabit speeds; consistent and robust security across branch, Internet edge, and data centers in physical and virtual environments
<b>On-device management</b>	Simplifies advanced threat defense management for small and medium sized business with small scale deployments
<b>Remote Access VPN</b>	Extends secure corporate network access beyond corporate laptops to personal mobile devices, regardless of physical location; support for Cisco AnyConnect Secure Mobility Solution, with granular, application-level VPN capability, as well as native Apple iOS and Android VPN clients
<b>Site-to-site VPN</b>	Protect traffic, including VoIP and client-server application data, across the distributed enterprise and branch offices
<b>Third-party technology ecosystem</b>	Open API that enables the third-party technology ecosystem to integrate with existing customer work streams
<b>Integration with Snort and OpenAppID</b>	Open source security integration with Snort and OpenAppID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly
<b>Collective Security intelligence (CSI)</b>	Globally acclaimed security and web reputation intelligence for real-time security protection

## Product Performance and Specifications

Table 2 details the NGFW capabilities and capacities of the Cisco ASA with FirePOWER Services for Cisco ASA 5500-X Series.

**Table 2.** Cisco ASA 5500-X with FirePOWER Services Capabilities and Capacities

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
<b>Maximum application control (AVC) throughput</b>	250 Mbps	300 Mbps	500 Mbps	1,100 Mbps	1,500 Mbps	1,750 Mbps
<b>Maximum application control (AVC) and NGIPS throughput</b>	125 Mbps	150 Mbps	250 Mbps	650 Mbps	1,000 Mbps	1,250 Mbps
<b>Maximum concurrent sessions</b>	50,000	100,000	250,000	500,000	750,000	1,000,000
<b>Maximum New Connections per second</b>	5,000	10,000	15,000	20,000	30,000	50,000
<b>Application control (AVC) or IPS sizing throughput [440 byte HTTP]</b>	90 Mbps	100 Mbps	150 Mbps	375 Mbps	575 Mbps	725 Mbps

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
<b>Supported applications</b>	More than 3,000					
<b>URL categories</b>	80+					
<b>Number of URLs categorized</b>	More than 280 million					
<b>Centralized configuration, logging, monitoring, and reporting</b>	Multi-device Cisco Security Manager (CSM) and Cisco FireSIGHT Management Center					
<b>On-Device Management</b>	ASDM 7.3.x			ASDM		

\* Activating more features will change performance

Table 3 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 3.** Cisco ASA 5500-X Series Next-Generation Firewalls

Feature	Cisco ASA 5506-X, with Security Plus	Cisco ASA 5512-X, with Security Plus	Cisco ASA 5515-X	Cisco ASA 5525-X	Cisco ASA 5545-X	Cisco ASA 5555-X
<b>Stateful inspection throughput (maximum<sup>1</sup>)</b>	750 Mbps	1 Gbps	1.2 Gbps	2 Gbps	3 Gbps	4 Gbps
<b>Stateful inspection throughput (multiprotocol<sup>2</sup>)</b>	300 Mbps	500 Mbps	600 Mbps	1 Gbps	1.5 Gbps	2 Gbps
<b>Triple Data Encryption Standard/Advanced Encryption Standard (3DES/AES) VPN throughput<sup>3</sup></b>	100 Mbps	200 Mbps	250 Mbps	300 Mbps	400 Mbps	700 Mbps
<b>Users/nodes</b>	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>IPsec VPN peers</b>	50	250	250	750	2500	5000
<b>Cisco Cloud Web Security users</b>	275	2000	3000	4000	5000	6000
<b>Cisco AnyConnect Premium/Apex VPN peers (Included; maximum)</b>	2; 50	2; 250	2; 250	2; 750	2; 2500	2; 5000
<b>Concurrent connections</b>	50,000	100,000	250,000	500,000	750,000	1,000,000
<b>New connections per second</b>	5,000	10,000	15,000	20,000	30,000	50,000
<b>Virtual interfaces (VLANs)</b>	Without Security Plus: With Security Plus: 5; 30	50; 100	100	200	300	500
<b>Security contexts<sup>4</sup> (included; maximum)</b>	N/A	0,0; 2,5	2;5	2; 20	2; 50	2; 100
<b>High availability</b>	Requires Security Plus License; Active/Standby	Requires Security Plus License; 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

<sup>1</sup> Maximum throughput measured with UDP traffic under ideal conditions.

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

<sup>3</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>4</sup> Separately licensed feature; includes two SSL licenses with base system.

Feature	Cisco ASA 5506-X, with Security Plus	Cisco ASA 5512-X, with Security Plus	Cisco ASA 5515-X	Cisco ASA 5525-X	Cisco ASA 5545-X	Cisco ASA 5555-X
<b>Expansion slot</b>	N/A	1 interface card	1 interface card	1 interface card	1 interface card	1 interface card
<b>User-accessible Flash slot</b>	No	No	No	0	-	0
<b>USB 2.0 ports</b>	USB port type 'A', High Speed 2.0	2	2	2	2	2
<b>Integrated I/O</b>	8 x 1GE	6 Gigabit Ethernet (GE) copper	6 GE copper	8 GE copper	8 GE copper	8 GE copper
<b>Expansion I/O</b>	N/A	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 (To be shared with Firepower services), 10/100/1000	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)
<b>Serial ports</b>	1 RJ-45 and Mini USB	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>	64 GB mSata	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	4 GB	8 GB	8 GB	12 GB	16 GB
<b>Minimum system flash</b>	8 GB	4 GB	8 GB	8 GB	8 GB	8 GB
<b>System bus</b>	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture
<b>Operating</b>						
<b>Temperature</b>	32 to 104°F (0 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)	23 to 104°F (-5 to 40°C)
<b>Relative humidity</b>	10 to 90 percent noncondensing	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 10,000 ft (3050 m)	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>Acoustic noise</b>	Typ. 41.6dBA Max. 41.5 dBA	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)	-13 to 158°F (-25 to 70°C)
<b>Relative humidity</b>	5 to 95 percent noncondensing	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 (4570 m)	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 15,000 ft (4572 m)
<b>Power</b>						
<b>Input (per power supply)</b>						
<b>AC range line voltage</b>	90 to 240 volts alternating current (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>	90 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>	N/A	4.85A	4.85A	4.85A	5A, 100 to 120V 2.5A, 200 to 240V	5A, 100 to 120V 2.5A, 200 to 240V

Feature	Cisco ASA 5506-X, with Security Plus	Cisco ASA 5512-X, with Security Plus	Cisco ASA 5515-X	Cisco ASA 5525-X	Cisco ASA 5545-X	Cisco ASA 5555-X
<b>AC frequency</b>	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
<b>Dual-power supplies</b>	None	None	None	None	Yes	Yes
<b>DC domestic line voltage</b>	N/A	-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>	N/A	-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>	N/A	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)
<b>Output</b>						
<b>Steady state</b>	12V @2.5A	51W	65W	75W	86W	90W
<b>Maximum peak</b>	12V @ 5A	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>	Desktop	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>	7.92" x 8.92" x 1.73"	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>	N/A	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
<b>Safety</b>	UL 60950 CAN/CSA-C22.2 No. 60950 EN 60950 IEC 60950 AS/NZS 60950	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>	USA (47CFR15 Class A (Desktop)) Australia/New Zealand (AS/NZSCISPR22) Europe (EN55022 Class A (Desktop) EN55024 N61000-3-2 EN61000-3-3) International (CISPR22 Class A (Desktop)) Japan (VCCI Class A (Desktop)) Taiwan (CNS13438 )	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 February2004; 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	In process

## Hardware Product Performance and Specifications

Table 4 provides a comparison of the Cisco ASA with Cisco FirePOWER Security Services Processor (SSP) 10, 20, 40, and 60 hardware blades.

**Table 4.** Cisco ASA 5585-X with FirePOWER Services Hardware Blade Capabilities and Capacities

Feature	Cisco ASA 5585-X SSP-10 w/FirePOWER Services	Cisco ASA 5585-X SSP-20 w/FirePOWER Services	Cisco ASA 5585-X SSP-40 w/FirePOWER Services	Cisco ASA 5585-X SSP-60 w/FirePOWER Services
Maximum application control (AVC) throughput	4.5 Gbps	7 Gbps	10 Gbps	15 Gbps
Maximum application control (AVC) and NGIPS throughput	2 Gbps	3.5 Gbps	6 Gbps	10 Gbps
Maximum concurrent sessions	500,000	1,000,000	1,800,000	4,000,000
Maximum New Connections per second	40,000	75,000	120,000	160,000
Application control (AVC) or IPS sizing throughput [440 byte HTTP]*	1.2 Gbps	2 Gbps	3.5 Gbps	6 Gbps
Supported applications	More than 3,000			
URL categories	80+			
Number of URLs categorized	More than 280 million			
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager and Cisco FireSIGHT Management Center			

Product Model	Cisco ASA 5585-X SSP-10 w/FirePOWER Services	Cisco ASA 5585-X SSP-20 w/FirePOWER Services	Cisco ASA 5585-X SSP-40 w/FirePOWER Services	Cisco ASA 5585-X SSP-60 w/FirePOWER Services
<b>Technical Specifications</b>				
Memory	12 GB	24 GB	24 GB	48 GB
Minimum flash	8 GB			
Management and monitoring interface	2 Ethernet 10/100/1000 ports			

## Platform Support/Compatibility

Cisco ASA with FirePOWER Services include Cisco ASA firewalling, AVC, URL filtering, NGIPS, and AMP. This unique set of capabilities is available on the Cisco ASA 5500-X Series NGFW platforms: Cisco ASA 5506-X, 5512-X, 5515-X, 5525-X, 5545-X, 5555-X, and 5585-X with Security Services Processor SSP-10, SSP-20, SSP-40, and SSP-60.

The Cisco ASA 5585-X FirePOWER Services SSP-10, SSP-20, SSP-40, and SSP-60 hardware blades are supported on the Cisco ASA 5585-X platform. Cisco ASA 5585-X SSP-10, SSP-20, SSP-40, and SSP-60 firewalls require Cisco ASA Software Release 9.2.2 and later. Cisco ASA with FirePOWER Services software is supported on the Cisco ASA 5500-X Series of next-generation midrange security appliances running Cisco ASA Software Release 9.2.2 and later. Regardless of form factor, Cisco ASA with FirePOWER Services is managed by the [Cisco Security Manager](#) and the Cisco FireSIGHT Management Center.



## Ordering Information

To place an order, visit the [Cisco ordering homepage](#). Table 5 provides ordering information for Cisco ASA with FirePOWER Services.

**Table 5.** Cisco ASA with FirePOWER Services Ordering Information

The following table includes Cisco ASA FirePOWER Services bundle SKUs (including hardware and subscription) that offer a convenient mechanism for ordering both the appliances and software subscriptions in a single SKU configuration. It is the recommended mode of configuration for ordering.

Cisco ASA with FirePOWER Services 5500-X Series Bundles (Hardware and Subscription)	
ASA 5506-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5506-FPWR-BUN
ASA 5512-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5512-FPWR-BUN
ASA 5515-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5515-FPWR-BUN
ASA 5525-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5525-FPWR-BUN
ASA 5545-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5545-FPWR-BUN
ASA 5555-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5555-FPWR-BUN
Cisco ASA with FirePOWER Services 5585-X Bundles (Hardware and Services Subscription)	
ASA 5585-X SSP-10 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S10F10-BUN
ASA 5585-X SSP-10X with FirePOWER Svcs. Chassis and Subs.	ASA5585-S10F10X-BN
ASA 5585-X SSP-20 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S20F20-BUN
ASA 5585-X SSP-20X with FirePOWER Svcs. Chassis and Subs.	ASA5585-S20F20X-BN
ASA 5585-X SSP-40 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S40F40-BUN
ASA 5585-X SSP-60 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S60F60-BUN

Product Description	Part Number
<b>Cisco ASA 5506-X Series Low-End Appliances (Hardware)</b>	
ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506-K9
ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES	ASA5506-K8
<b>Cisco ASA 5500-X Series Midrange Appliances (Hardware)</b>	
ASA 5512-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD	ASA5512-FPWR-K9
ASA 5515-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD	ASA5515-FPWR-K9
ASA 5525-X with FirePOWER Services, 8GE data, AC, 3DES/AES, SSD	ASA5525-FPWR-K9
ASA 5545-X with FirePOWER Services, 8GE data, AC, 3DES/AES, 2 SSD	ASA5545-FPWR-K9
ASA 5555-X with FirePOWER Services, 8GE data, AC, 3DES/AES, 2 SSD	ASA5555-FPWR-K9
<b>Cisco ASA 5585-X Appliances (Hardware)</b>	
ASA 5585-X chassis with SSP-10, FirePOWER SSP-10, 16GE, 4GE mgmt, 1 AC, 3DES/AES	ASA5585-S10F10-K9
ASA 5585-X chassis with SSP-10, FirePOWER SSP-10, 16GE, 4SFP+, 2 AC, 3DES/AES	ASA5585-S10F10XK9
ASA 5585-X chassis with SSP-20, FirePOWER SSP-20, 16GE, 4GE mgmt, 1 AC, 3DES/AES	ASA5585-S20F20-K9
ASA 5585-X chassis with SSP-20, FirePOWER SSP-20, 16GE, 4SFP+, 2 AC, 3DES/AES	ASA5585-S20F20XK9
ASA 5585-X chassis with SSP-40, FirePOWER SSP-40, 12GE, 8SFP+, 1 AC, 3DES/AES	ASA5585-S40F40-K9
ASA 5585-X chassis with SSP-60, FirePOWER SSP-60, 12GE, 8 SFP+, 2 AC, 3DES/AES	ASA5585-S60S60-K9

Product Description	Part Number	
<b>ASA with FirePOWER Services Software Subscriptions: 3-Year Term (1-Year Service Software Bundle Subscriptions Can be Purchased as well as Individual Cisco IPS, AMP, and URL Filtering Service Software Subscriptions with 1-Year and 3-Year Terms)</b>		
Cisco ASA5506 FirePOWER IPS and Apps 3YR Subscription	L-ASA5506-TA=	L-ASA5506-TA-3Y
Cisco ASA5506 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5506-TAC=	L-ASA5506-TAC-3Y
Cisco ASA5506 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5506-TAM=	L-ASA5506-TAM-3Y
Cisco ASA5506 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5506-TAMC=	L-ASA5506-TAMC-3Y
Cisco ASA5506 FirePOWER URL Filtering 3YR Subscription	L-ASA5506-URL=	L-ASA5506-URL-3Y
Cisco ASA5512 FirePOWER IPS and Apps 3YR Subscription	L-ASA5512-TA=	L-ASA5512-TA-3Y
Cisco ASA5512 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5512-TAC=	L-ASA5512-TAC-3Y
Cisco ASA5512 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5512-TAM=	L-ASA5512-TAM-3Y
Cisco ASA5512 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5512-TAMC=	L-ASA5512-TAMC-3Y
Cisco ASA5512 FirePOWER URL Filtering 3YR Subscription	L-ASA5512-URL=	L-ASA5512-URL-3Y
Cisco ASA5515 FirePOWER IPS and Apps 3YR Subscription	L-ASA5515-TA=	L-ASA5515-TA-3Y
Cisco ASA5515 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5515-TAC=	L-ASA5515-TAC-3Y
Cisco ASA5515 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5515-TAM=	L-ASA5515-TAM-3Y
Cisco ASA5515 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5515-TAMC=	L-ASA5515-TAMC-3Y
Cisco ASA5515 FirePOWER URL Filtering 3YR Subscription	L-ASA5515-URL=	L-ASA5515-URL-3Y
Cisco ASA5525 FirePOWER IPS and Apps 3YR Subscription	L-ASA5525-TA=	L-ASA5525-TA-3Y
Cisco ASA5525 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5525-TAC=	L-ASA5525-TAC-3Y
Cisco ASA5525 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5525-TAM=	L-ASA5525-TAM-3Y
Cisco ASA5525 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5525-TAMC=	L-ASA5525-TAMC-3Y
Cisco ASA5525 FirePOWER URL Filtering 3YR Subscription	L-ASA5525-URL=	L-ASA5525-URL-3Y
Cisco ASA5545 FirePOWER IPS and Apps 3YR Subscription	L-ASA5545-TA=	L-ASA5545-TA-3Y
Cisco ASA5545 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5545-TAC=	L-ASA5545-TAC-3Y
Cisco ASA5545 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5545-TAM=	L-ASA5545-TAM-3Y
Cisco ASA5545 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5545-TAMC=	L-ASA5545-TAMC-3Y
Cisco ASA5545 FirePOWER URL Filtering 3YR Subscription	L-ASA5545-URL=	L-ASA5545-URL-3Y
Cisco ASA5555 FirePOWER IPS and Apps 3YR Subscription	L-ASA5555-TA=	L-ASA5555-TA-3Y
Cisco ASA5555 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5555-TAC=	L-ASA5555-TAC-3Y
Cisco ASA5555 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5555-TAM=	L-ASA5555-TAM-3Y
Cisco ASA5555 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5555-TAMC=	L-ASA5555-TAMC-3Y
Cisco ASA5555 FirePOWER URL Filtering 3YR Subscription	L-ASA5555-URL=	L-ASA5555-URL-3Y
Cisco ASA5585-10 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-10-TA=	L-ASA5585-10-TA-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-10-TAC=	L-ASA5585-10-TAC-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-10-TAM=	L-ASA5585-10-TAM-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-10-TAMC=	L-ASA5585-10-TAMC-3Y
Cisco ASA5585-10 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-10-URL=	L-ASA5585-10-URL-3Y
Cisco ASA5585-20 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-20-TA=	L-ASA5585-20-TA-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-20-TAC=	L-ASA5585-20-TAC-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-20-TAM=	L-ASA5585-20-TAM-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-20-TAMC=	L-ASA5585-20-TAMC-3Y
Cisco ASA5585-20 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-20-URL=	L-ASA5585-20-URL-3Y
Cisco ASA5585-40 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-40-TA=	L-ASA5585-40-TA-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-40-TAC=	L-ASA5585-40-TAC-3Y

Product Description	Part Number	
Cisco ASA5585-40 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-40-TAM=	L-ASA5585-40-TAM-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-40-TAMC=	L-ASA5585-40-TAMC-3Y
Cisco ASA5585-40 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-40-URL=	L-ASA5585-40-URL-3Y
Cisco ASA5585-60 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-60-TA=	L-ASA5585-60-TA-3Y
Cisco ASA5585-60 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-60-TAC=	L-ASA5585-60-TAC-3Y
Cisco ASA5585-60 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-60-TAM=	L-ASA5585-60-TAM-3Y
Cisco ASA5585-60 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-60-TAMC=	L-ASA5585-60-TAMC-3Y
Cisco ASA5585-60 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-60-URL=	L-ASA5585-60-URL-3Y

## To Download the Software

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

## 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 Security Manager:  
<http://www.cisco.com/c/en/us/products/security/security-manager/index.html>.
- Cisco Adaptive Security Device Manager:  
<http://www.cisco.com/c/en/us/products/security/adaptive-security-device-manager/index.html>.
- 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).



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