



# Cisco ASA 5500 with FirePOWER Services Datasheet

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## OVERVIEW

Cisco® ASA with FirePOWER Services delivers integrated threat defense for the entire attack continuum - before, during, and after an attack, 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 extends the capabilities of the Cisco ASA 5500-X Series Next-Generation Firewalls beyond what today's NGFW solutions are capable of.

Cisco ASA with FirePOWER Services provides the needed scale and context in a NGFW solution, including protection for a small or mid-sized business, a distributed enterprise, or a single data center

## APPEARANCE

**Figure 1.** Cisco ASA 5500-X NGFW



Table 1. Cisco ASA with FirePOWER Services Features

Feature	Benefits
Next-generation firewall	Industry's first threat-focused NGFW; provides ASA firewall functionality, advanced threat protection, and advanced breach detection and remediation combined in a single device
Proven ASA firewall	Rich routing, stateful firewall, network address translation, and dynamic clustering for high-performance, highly secure, and reliable access with cisco AnyConnect® VPN
Market-leading NGIPS	Superior threat prevention and mitigation for both known and unknown threats
Advanced malware protection	Detection, blocking, tracking, analysis, and remediation to protect the enterprise against targeted and persistent malware attacks
Full contextual awareness	Policy enforcement based on complete visibility of users, mobile devices, client-side applications, communication between virtual machines, vulnerabilities, threats, and URLs
Application control and URL filtering	Application-layer control (over applications, geolocations, users, websites) and ability to enforce usage and tailor detection policies based on custom applications and URLs
Enterprise-class management	Dashboards and drill-down reports of discovered hosts, applications, threats, and indications of compromise for comprehensive visibility

Streamlined operations automation	Lower operating cost and administrative complexity with threat correlation, impact assessment, automated security policy tuning, and user identification
Purpose-built, scalable	Highly scalable security appliance architecture that performs at up to multigigabit speeds; consistent and robust security across small office, branch offices, internet edge, and data centers in either physical and virtual environments
On-device management	Simplifies advanced threat defense management for small and medium sized business with small scale deployments
Remote access VPN	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
Site-to-site VPN	Protect traffic, including VOIP and client-server application data, across the distributed enterprise and branch offices
Integrated wireless access	Integrated wi-fi is available in the desktop form factor (ASA 5506w-x) for compact and simplified small office deployments
Ruggedized form factor	A ruggedized model (ASA 5506h-x), designed specifically for extreme environmental conditions, is available for critical infrastructure and control network applications
Third-party technology ecosystem	Open API that enables the third-party technology ecosystem to integrate with existing customer work streams
Integration with snort and OpenAppID	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
Collective security intelligence (CSI)	Unmatched security and web reputation intelligence provides real-time threat intelligence and security protection

PRODUCT PERFORMANCES AND SPECIFICATIONS OF CISCO ASA 5500-X

Table 2. Cisco ASA5500-X Performance

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
Throughput:	250 Mbps	250 Mbps	250 Mbps	450 Mbps	850 Mbps	300 Mbps	500 Mbps	1,100 Mbps	1,500 Mbps	1,750 Mbps
Application Control (AVC)										
Throughput:	125 Mbps	125 Mbps	125 Mbps	250 Mbps	450 Mbps	150 Mbps	250 Mbps	650 Mbps	1,000 Mbps	1,250 Mbps
Application Control (AVC) and IPS										
Maximum concurrent sessions	20,000; 50000 <sup>1</sup>	20,000; 50000 <sup>1</sup>	50000	100,000	250,000	100,000	250,000	500,000	750,000	1,000,000
Maximum New Connections per second	5,000	5,000	5,000	10,000	20,000	10,000	15,000	20,000	30,000	50,000
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 (CSM) and Cisco Firepower Management Center	
On-Device Management	ASDM (version 7.3 or higher required)	ASDM

**Table 3. Cisco ASA5500-X Specification**

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
Stateful inspection throughput (maximum <sup>1</sup> )	750 Mbps	750 Mbps	750 Mbps	1 Gbps	1.8 Gbps	1 Gbps	1.2 Gbps	2 Gbps	3 Gbps	4 Gbps

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
Stateful inspection throughput (multiprotocol <sup>2</sup> )	300 Mbps	300 Mbps	300 Mbps	500 Mbps	900 Mbps	500 Mbps	600 Mbps	1 Gbps	1.5 Gbps	2 Gbps
Triple Data Encryption Standard/Advanced Encryption Standard (3DES/AES) VPN throughput <sup>3</sup>	100 Mbps	100 Mbps	100 Mbps	175 Mbps	250 Mbps	200 Mbps	250 Mbps	300 Mbps	400 Mbps	700 Mbps
Users/nodes	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
IPsec site-to-site VPN peers	10; 50 <sup>4</sup>	10; 50 <sup>4</sup>	50	100	300	250	250	750	2500	5000
Cisco AnyConnect Plus/Apex VPN maximum	50 <sup>5</sup>	50 <sup>5</sup>	50 <sup>5</sup>	100 <sup>5</sup>	300 <sup>5</sup>	250 <sup>5</sup>	250 <sup>5</sup>	750 <sup>5</sup>	2500 <sup>5</sup>	5000 <sup>5</sup>



Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
simultaneous connections <sup>5</sup>										
Virtual interfaces (VLANs)	5; 30 <sup>4</sup>	5; 30 <sup>4</sup>	30	50	100	50; 100	100	200	300	500
Security contexts <sup>5</sup> (included; maximum)	N/A	N/A	N/A	2; 5	2; 5	0,0; 2,5	2;5	2; 20	2; 50	2; 100
High availability <sup>4</sup>	Requires Security Plus License; Active/Standby	Requires Security Plus License; Active/Standby	Active/Standby	Active/Active and Active/Standby	Active/Active and 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
Integrated Wireless Access Point	N/A	Wireless Bands a/b/g/n; Max n wifi	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
(See Cisco AP 702 datasheet for WiFi technical details)		throughput 54 Mbps; internal antenna only; local management or centralized via Cisco WLC								
Expansion slot	N/A	N/A	N/A	N/A	N/A	1 interface card	1 interface card	1 interface card	1 interface card	1 interface card
User-accessible Flash slot	No	No	No	No	No	No	No	0	-	0
USB 2.0 ports	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	2	2	2	2	2
Integrated I/O	8 x 1 Gigabit Ethernet (GE)	8 x 1GE	4 x 1GE	8 x 1GE	8 x 1GE	6 GE copper	6 GE copper	8 GE copper	8 GE copper	8 GE copper

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
Expansion I/O	N/A	N/A	N/A	N/A	N/A	6 GE copper or	6 GE copper or	6 GE copper or	6 GE copper or	6 GE copper or
						6 GE Small Form-Factor Pluggable (SFP)	6 GE SFP	6 GE SFP	6 GE SFP	6 GE SFP
Dedicated management port	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000	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)
Serial ports	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console
Solid-state drive	50 GB mSata <sup>6</sup>	50 GB mSata <sup>6</sup>		80 GB mSata <sup>6</sup>				1 slot,	2 slots, RAID 1	2 slots, RAID 1

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
			50 GB mSata tested for heat		100 GB mSata <sup>6</sup>	1 slot, 120 GB multiline configurator self-encrypting drive (MLC SED)	1 slot, 120 GB MLC SED	120 GB MLC SED	120 GB MLC SED	120 GB MLC SED
Memory	4 GB	4 GB	4 GB	8 GB	8 GB	4 GB	8 GB	8 GB	12 GB	16 GB
System flash	8 GB	8 GB	8 GB	8 GB	8 GB	4 GB	8 GB	8 GB	8 GB	8 GB
System bus	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture
Operating Parameters										
Temperature	32 to 104°F (0 to 40 °C)	32 to 104°F (0 to 40 °C)	-4 to 140°F (-20 to 60 °C)	32 to 104°F (0 to 40 °C)	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)

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
Relative humidity	90 percent noncondensing	90 percent noncondensing	95 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	90 percent	90 percent	90 percent
Altitude	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3048 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)
Acousticnoise	Fanless 0 dBA	Fanless 0 dBA	Fanless 0 dBA	41.6 A-weighted decibels (dBA) type	41.6 dBA type	64.2 dBA max	64.2 dBA max	64.2 dBA max	67.9 dBA max	67.9 dBA max
				67.2 dBA max	67.2 dBA max					
Non-operating Parameters										
Temperature <sup>7</sup>	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-40 to 185°F (-40 to 85°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)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
Relative humidity	10 to 90 percent noncondensin g	10 to 90 percent noncondensin g	10 to 95 percent noncondensin g	10 to 90 percent noncondensin g	10 to 90 percent noncondensin g	10 to 90 percent noncondensin g	10 to 90 percent noncondensin g	10 to 90 percent	10 to 90 percent	10 to 90 percent
Altitude	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)	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 (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)
Power Input (per power supply)										
AC range line voltage	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 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
AC normal line voltage	90 to 240 VAC	90 to 240 VAC	90 to 240 VAC	91 to 240 VAC	92 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
AC current	N/A	N/A	N/A	0.25AC amps	0.25AC amps	4.85A	4.85A	4.85A	5A, 100 to 120V	5A, 100 to 120V
									2.5A, 200 to 240V	2.5A, 200 to 240V
AC frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Dual-power supplies	None	None	None	None	None	None	None	None	Yes	Yes
DC domestic line voltage	N/A	N/A	N/A	N/A	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	-40.5 to 56 VDC
									(-48 VDC nominal)	(-48 VDC nominal)
DC international line voltage	N/A	N/A	N/A	N/A	N/A	-55 to -72 VDC	-55 to -72 VDC	-55 to -72 VDC	-55 to -72 VDC	-55 to -72 VDC
						(-60 VDC nominal)	(-60 VDC nominal)	(-60 VDC nominal)	(-60 VDC nominal)	(-60 VDC nominal)

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
DC current	N/A	N/A	N/A	N/A	N/A	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)
Output										
Steady state	12V @2.5A	12V @2.5A	5V @3.6A	12V @ 3.0A	12V @ 3.0A	51W	65W	75W	86W	90W
Maximum peak	12V @ 5A	12V @ 5A	5V @4.4A	12V @ 5.0A	12V @ 5.0A	56W	70W	108W	125W	134W
Maximum heat dissipation	205 British thermal units (Btu)/hr	205 Btu/hr	75 Btu/hr	205 Btu/hr	205 Btu/hr	192 Btu/hr	239 Btu/hr	369 Btu/hr	427 Btu/hr	458 Btu/hr
Form factor	Desktop, rack mountable	Desktop, rack mountable	Desktop, rack mountable, wall mountable, DIN-Rail	1 rack unit (RU), 19-in. rack-mountable	1 rack unit (RU), 19-in. rack-mountable	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



Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-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
Dimensions	1.72 x 7.871 x 9.23 in.	1.72 x 7.871 x 9.23 in.	2.72 x 9.05 x 9.05 in.	1.72 x 17.2 x 11.288 in.	1.72 x 17.2 x 11.288 in.	1.67 x 16.7 x 15.6 in.	1.67 x 16.7 x 15.6 in.	1.75 x 17.5 x 14.25 in.	1.67 x 16.7 x 19.1 in.	1.67 x 16.7 x 19.1 in.
(H x W x D)	(4.369 x 19.992 x 23.444 cm)	(4.369 x 19.992 x 23.444 cm)	(6.9 x 23.0 x 23.0 cm)	(4.369 x 43.688 x 28.672 cm)	(4.369 x 43.688 x 28.672 cm)	(4.24 x 42.9 x 39.5 cm)	(4.24 x 42.9 x 39.5 cm)	(4.45 x 20.04 x 36.20 cm)	(4.24 x 42.9 x 48.4 cm)	(4.24 x 42.9 x 48.4 cm)
Weight (with AC power supply)	4 lb (1.82 kg)	4 lb (1.82 kg)	7 lb (3.18 kg)	8 lb (3 kg)	8 lb (3 kg)	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	16.82 lb (7.63 kg) with single power supply
									18.86 lb (8.61 kg) with dual power supply	18.86 lb (8.61 kg) with dual power supply

<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> 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.

<sup>4</sup> Higher specifications are associated with the Security Plus license.

<sup>5</sup> Separately licensed feature. For AnyConnect, licenses are purchased based on feature tier (Plus/Apex), term and authorized user license. See ordering guide below for detailed ordering instructions.

<sup>6</sup> Usable space dependence upon system software.

<sup>7</sup> Derate the maximum operating temperature 1.5°C per 1000 ft above sea level.

## CISCO ASA5500-X SERIES BASIC ORDERING INFORMATION

Part Number	Description
<a href="#">ASA5506-K9</a>	Cisco ASA 5500-X Next Generation, ASA 5506-X, 8*GE ports, 1GE Mgmt, AC, 3DES/AES, AVC, FirePower, FireSIGHT, unlimited user nodes
<a href="#">ASA5508-K9</a>	Cisco ASA 5500-X Next Generation, ASA 5508-X, 8*GE ports, 1GE Mgmt, AC, 3DES/AES, AVC, FirePower, FireSIGHT, unlimited user nodes, 100 IPsec VPN, Active/Active, 80G SSD
<a href="#">ASA5512-SSD120-K9</a>	Cisco ASA 5500 Edition Bundle ASA5512-SSD120-K9 ASA 5512-X with SW, 6GE Data, 1GE Mgmt, AC, 3DES/AES, 120G SSD, FirePower Services
<a href="#">ASA5515-SSD120-K9</a>	Cisco ASA 5500 Edition Bundle ASA5515-SSD120-K9 ASA 5515-X with SW, 6GE Data, 1GE Mgmt, AC, 3DES/AES, 120G SSD, FirePower Services
<a href="#">ASA5525-SSD120-K9</a>	Cisco ASA 5500 Edition Bundle ASA5525-SSD120-K9 ASA 5525-X with SW, 8GE Data, 1GE Mgmt, AC, 3DES/AES, 120G SSD, Firepower System
<a href="#">ASA5516-FPWR-K9</a>	ASA 5516-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES
<a href="#">ASA5506-SEC-BUN-K9</a>	Cisco ASA 5500-X Next Generation, ASA 5506-X, 8*GE ports, 1GE Mgmt, AC, 3DES/AES, AVC, FirePower, FireSIGHT, unlimited user nodes a Security Plus license L-ASA5506-SEC-PL= w/ HA, DMZ, VLAN trunk, more conns.

<a href="#">ASA5545-FPWR-K9</a>	Cisco ASA 5500-X Next Generation, ASA5545-FPWR-K9, 8*GE ports, 1GE Mgmt, AC, 3DES/AES, AVC, FirePower, FireSIGHT, unlimited user nodes, 2500 IPsec VPN, Active/Active, 2 SSD
<a href="#">ASA5525-FPWR-K9</a>	ASA 5525-X with FirePOWER Services, 8GE, AC, 3DES/AES, SSD
<a href="#">ASA5500X-SSD120</a>	ASA 5512-X through 5555-X 120 GB MLC SED SSD (Spare)
<a href="#">ASA5506-FTD-K9</a>	ASA 5506-X with Firepower Threat Defense. 8GE. AC
<a href="#">ASA5506H-FTD-K9</a>	ASA 5506H with Firepower Threat Defense. 4GE. AC
<a href="#">ASA5508-FTD-K9</a>	ASA 5508-X with Firepower Threat Defense. 8GE. AC
<a href="#">ASA5516-FTD-K9</a>	ASA 5516-X with Firepower Threat Defense. 8GE. AC
<a href="#">ASA5555-FTD-K9</a>	ASA 5555-X with Firepower Threat Defense. 8GE. AC
<a href="#">ASA5506W-A-FTD-K9</a>	ASA 5506-X A Domain Firepower Threat Defense. WiFi. 8GE. AC
<a href="#">ASA5506W-B-FTD-K9</a>	ASA 5506-X B Domain Firepower Threat Defense. WiFi. 8GE. AC
<a href="#">ASA5506W-E-FTD-K9</a>	ASA 5506-X E Domain Firepower Threat Defense. WiFi. 8GE. AC
<a href="#">ASA5506W-Q-FTD-K9</a>	ASA 5506-X Q Domain Firepower Threat Defense. WiFi. 8GE. AC
<a href="#">ASA5506W-Z-FTD-K9</a>	ASA 5506-X Z Domain Firepower Threat Defense. WiFi. 8GE. AC

<a href="#">ASA5506-K8</a>	ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES
<a href="#">ASA5508-K8</a>	ASA 5508-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES
<a href="#">ASA5512-FPWR-K9</a>	ASA 5512-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD
<a href="#">ASA5515-FPWR-K9</a>	ASA 5515-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD
<a href="#">ASA5516-FPWR-K8</a>	ASA 5516-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES
<a href="#">ASA5525-FPWR-K8</a>	ASA 5525-X with FirePOWER Services. 8GE. AC. DES. SSD
<a href="#">ASA5555-FPWR-K9</a>	ASA 5555-X with FirePOWER Services, 8GE data, AC, 3DES/AES, 2 SSD
<a href="#">ASA5506W-A-K9</a>	ASA 5506W-A-X with FirePOWER services, WiFi for North America (NOT US), 8GE Data, 1GE Mgmt, AC, 3DES/AES
<a href="#">ASA5506W-B-K9</a>	ASA 5506W-B-X with FirePOWER services, WiFi for US ONLY, 8GE Data, 1GE Mgmt, AC, 3DES/AES
<a href="#">ASA5506W-E-K9</a>	ASA 5506W-E-X with FirePOWER services, WiFi for Europe, 8GE Data, 1GE Mgmt, AC, 3DES/AES
<a href="#">ASA5506W-Q-K9</a>	ASA 5506W-Q-X with FirePOWER services, WiFi for Japan, 8GE Data, 1GE Mgmt, AC, 3DES/AES
<a href="#">ASA5506W-Z-K9</a>	ASA 5506W-Z-X with FirePOWER services, WiFi for Australia/New Zealand, 8GE Data, 1GE Mgmt, AC, 3DES/AES
<a href="#">ASA5506H-SP-BUN-K9</a>	ASA 5506H-X with FirePOWER services, ruggedized, security plus, 4GE Data, 1GE Mgmt, AC, 3DES/AES
<a href="#">ASA5506H-SP-BUN-K8</a>	ASA 5506H-X with FirePOWER services, ruggedized, security plus, 4GE Data, 1GE Mgmt, AC, DES

<a href="#">ASA5508-BRACKET=</a>	ASA 5508-X Bracket Spare
<a href="#">ASA5508-SSD=</a>	ASA 5508-X SSD
<a href="#">ASA5525-DC-K8</a>	ASA 5525-X with SW. 8GE Data. 1GE Mgmt. DC. DES
<a href="#">ASA5545-2SSD120-K9</a>	NGFW ASA 5545-X w/ SW,8GE Data,1GE Mgmt, AC, 3DES/AES,2 SSD120
<a href="#">ASA5525-CTRL-LIC=</a>	Cisco ASA5525 Control License
<a href="#">ASA5545-CTRL-LIC=</a>	Cisco ASA5545 Control License
<a href="#">ASA5555-CTRL-LIC=</a>	Cisco ASA5555 Control License

## ADDITIONAL INFORMATION

[Cisco ASA 5500-X Series Migration Options](#)

[Why the new Firepower 2100 is not at all like ASA5500-X Series?](#)

[How to Upgrade an ASA 5506-X to the FTD?](#)

## WHERE TO BUY

**Want to buy this series of products? please contact:**

- Tel: +1-626-239-8066 (USA)/ +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: [sales@router-switch.com](mailto:sales@router-switch.com) (Sales Inquiries)

**Or visit:** [Cisco ASA5500-X Series Firewalls](#)

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## SOURCES

<https://www.cisco.com/c/en/us/products/collateral/security/asa-5500-series-next-generation-firewalls/datasheet-c78-733916.html>