Cisco ASA 5585-X Stateful Firewall

Today's enterprise networks struggle to keep up with a mobile workforce. Users expect on-demand access from their many devices, even as applications multiply and push performance levels. And of course security remains a priority. How do you scale and still preserve the integrity of the network? Start with the Cisco® ASA 5585-X Firewall, a compact yet high-density firewall that delivers tremendous scalability, performance, and security in a two-rack-unit (2RU) footprint.

Using a single firewall blade, the Cisco ASA 5585-X meets the growing needs of dynamic organizations by providing eight times the performance density, very high VPN session counts, twice as many connections per second, and four times the connection capacity of any competitive firewall.

Firewall Features

Support for Layer 3 and Layer 4 stateful firewall inspection features, including access control and network address translation, enables organizations to keep existing stateful inspection policies that are essential for compliance regulations and securing critical data center resources.

In addition to comprehensive stateful inspection capabilities, Layer 7 next-generation policies act intelligently on contextual information. Cisco AnyConnect® technology provides information on the type and location, and endpoint posture of a mobile device before it accesses the network, so that administrators can maintain high levels of network visibility, protection and control. Threat intelligence feeds from Cisco Collective Security Intelligence (CSI) use the global footprint of Cisco security deployments to analyze approximately one-third of the world's Internet traffic for near-real-time protection from new and emerging threats.

Flexible Deployment Options

The Cisco ASA 5585-X supports two hardware blades in a single 2RU chassis. The bottom slot (slot 0) hosts the ASA stateful inspection firewall module, while the top slot (slot 1) can be used for adding up to two Cisco ASA 5585-X I/O modules for high interface density for mission-critical data centers that require exceptional flexibility and security.

Clustering

Using Cisco ASA Software Release 9.0 and later, customers can combine up to 16 Cisco ASA 5585-X firewall modules in a single cluster for up to 640 Gbps of throughput, 2 million connections per second, and more than 100 million concurrent connections. This "pay as you grow" model enables organizations to purchase what they need today and dynamically add more when their performance needs grow. To protect high-performance data centers from internal and external threats, the cluster can be augmented by adding IPS modules.

Cisco ASA software clustering delivers a consistent scaling factor, irrespective of the number of units in the cluster, for a linear and predictable increase in performance. Complexity is reduced, as no changes are required to existing Layer 2 and Layer 3 networks. Support for data center designs based on the Cisco Catalyst® 6500 Series Virtual Switching System (VSS) and the Cisco Nexus virtual PortChannel (vPC) as well as the Link Aggregation Control Protocol (LACP) provides high availability (HA) with better network integration.

For operational efficiency, Cisco ASA clusters are easy to manage and troubleshoot as a single entity. Policies pushed to the primary node are replicated across all the units within the cluster. The health, performance, and capacity statistics of the entire cluster, as well as individual units within the cluster, can be assessed from a single management console. Hitless software upgrades are supported for ease of device updates.

Clustering supports HA in both active/active and active/passive modes. All units in the cluster actively pass traffic, and all connection information is replicated to at least one other unit in the cluster to support N+1 HA. In addition, single and multiple contexts are supported, along with routed and transparent modes. A single configuration is maintained across all units in the cluster using automatic configuration sync. Clusterwide statistics are provided to track resource usage.

Cisco TrustSec Integration

Using Cisco ASA Software Release 9.0 and later, the Cisco ASA 5585-X provides context awareness through the integration of identity-based firewall security and Cisco TrustSec® security group tags for enhanced visibility and control. Identity-based firewall security provides more flexible access control to enforce policies based on user and group identities and the point of access. Administrators can write policies that correspond to business rules, a process that increases security, enhances ease of use, and requires fewer policies to manage. Similarly, Cisco TrustSec integration enables security group tags to be embedded into the network, providing administrators with the ability to develop and enforce better, more precise policies.

Cut Costs While Improving Performance and Security

The Cisco ASA 5585-X Next-Generation Firewall delivers superior scalability, performance, and security to handle high data volumes without sacrificing performance. Most firewalls require up to 16RUs and 5100 watts to scale to the level of performance that the Cisco ASA 5585-X achieves with only 2RUs and 785 watts. This performance helps enterprises meet the increasing demands for network connectivity without the need to invest in additional data center space and incur the corresponding maintenance costs.

Based on tests conducted by Cisco, the Cisco ASA 5585-X significantly reduces initial procurement costs by 80 percent, power consumption costs by 85 percent, and rack space requirements by 88 percent in addition to significant reductions in overall integration and management complexity and costs. In addition, you can install up to two firewall modules in a single Cisco ASA 5585-X chassis, providing scalability to 80 Gbps.

Table 1 gives the capabilities of the four Cisco ASA 5585-X models.

Table 1.   Cisco ASA 5585-X Next-Generation Firewall Capabilities and Capacities

Feature	Cisco ASA 5585-X with SSP-10	Cisco ASA 5585-X with SSP-20	Cisco ASA 5585-X with SSP-40	Cisco ASA 5585-X with SSP-60
Typical use case	Edge	Edge	Data center	Data center
Users or nodes	Unlimited	Unlimited	Unlimited	Unlimited

Feature	Cisco ASA 5585-X with SSP-10	Cisco ASA 5585-X with SSP-20	Cisco ASA 5585-X with SSP-40	Cisco ASA 5585-X with SSP-60
Stateful inspection firewall throughput (maximum)[1]	4 Gbps	10 Gbps	20 Gbps	40 Gbps
Stateful inspection firewall throughput (multiprotocol)[2]	2 Gbps	5 Gbps	10 Gbps	20 Gbps
Concurrent firewall connections	1,000,000	2,000,000	4,000,000	10,000,000
Firewall connections per second	50,000	125,000	200,000	350,000
Packets (64 byte) per second	1,500,000	3,000,000	5,000,000	9,000,000
Security contexts[3]	Up to 100	Up to 250	Up to 250	Up to 250
Authentication	Active Directory agent, LDAP, Kerberos, NTLM	Active Directory agent, LDAP, Kerberos, NTLM	Active Directory agent, LDAP, Kerberos, NTLM	Active Directory agent, LDAP, Kerberos, NTLM
Maximum 3DES/AES IPsec VPN throughput[4]	1 Gbps	2 Gbps	3 Gbps	5 Gbps
Maximum Site-to-Site and IPsec IKEv1 client VPN Sessions[4]	Up to 5,000	Up to 10,000	Up to 10,000	Up to 10,000
Maximum Cisco AnyConnect or Clientless VPN User Sessions[5]	Up to 5,000	Up to 10,000	Up to 10,000	Up to 10,000
Interfaces	8-port 10/100/1000, 2-port 10 Gigabit Ethernet** (SFP+)	8-port 10/100/1000, 2-port 10 Gigabit Ethernet** (SFP+)	6-port 10/100/1000, 4-port 10 Gigabit Ethernet (SFP+)	6-port 10/100/1000, 4-port 10 Gigabit Ethernet (SFP+)
Maximum number of interfaces	16-port 10/100/1000, 4-port 10 Gigabit Ethernet** (SFP+) (with 2 modules per chassis)	16-port 10/100/1000, 4-port 10 Gigabit Ethernet** (SFP+) (with 2 modules per chassis)	12-port 10/100/1000,8-port 10 Gigabit Ethernet (SFP+) (with 2 modules per chassis)	12-port 10/100/1000, 8-port 10 Gigabit Ethernet (SFP+) (with 2 modules per chassis)
Integrated network management ports	2-port 10/100/1000	2-port 10/100/1000	2-port 10/100/1000	2-port 10/100/1000
Integrated network ports	8-port 10/100/1000, 2-port 10 Gigabit Ethernet*** (SFP+)	8-port 10/100/1000, 2-port 10 Gigabit Ethernet*** (SFP+)	6-port 10/100/1000, 4-port 10 Gigabit Ethernet (SFP+)	6-port 10/100/1000, 4-port 10 Gigabit Ethernet (SFP+)
Maximum number of integrated network ports	16-port 10/100/1000, 4-port 10 Gigabit Ethernet*** SFP+ (with 2 modules per chassis)	16-port 10/100/1000, 4-port 10 Gigabit Ethernet*** SFP+ (with 2 modules per chassis)	12-port 10/100/1000,8-port 10 Gigabit Ethernet SFP+ (with 2 modules per chassis)	12-port 10/100/1000, 8-port 10 Gigabit Ethernet SFP+ (with 2 modules per chassis)
Interface card slots	2	2	2	2
Virtual interfaces (VLANs)	1024	1024	1024	1024

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[1] Maximum throughput with UDP traffic measured under ideal test conditions.

[2] "Multiprotocol" refers to a traffic profile consisting primarily of TCP-based protocols and applications like HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS.

[3] Available for the firewall feature set.

[4] VPN throughput and maximum peers depend on the ASA device configuration and VPN traffic patterns, including average packet size. These elements should be taken into consideration as part of your capacity planning. Throughput represents the maximum possible IPsec throughput. Maximum sessions may be further limited by your throughput requirements. AnyConnect licenses required. See the AnyConnect Ordering Guide for details. Maximum sessions may be further limited by your throughput requirements.

[5] AnyConnect licenses required. See the AnyConnect Ordering Guide for details. Maximum sessions may be further limited by your throughput requirements.

Feature	Cisco ASA 5585-X with SSP-10	Cisco ASA 5585-X with SSP-20	Cisco ASA 5585-X with SSP-40	Cisco ASA 5585-X with SSP-60
Scalability	VPN clustering and load balancing	VPN clustering and load balancing	VPN clustering and load balancing	VPN clustering and load balancing
High availability	Active/active[6] and Active/standby	Active/active[6] and Active/standby	Active/active[6] and Active/standby	Active/active[6] and Active/standby
Redundant power	Supported, second power supply optional	Supported, second power supply optional	Supported, second power supply optional	Supported
USB 2.0 ports	2	2	2	2
Serial ports	1 RJ-45, console and auxiliary	1 RJ-45, console and auxiliary	1 RJ-45, console and auxiliary	1 RJ-45, console and auxiliary
Rack mountable	Yes, rack mounts included	Yes, rack mounts included	Yes, rack mounts included	Yes, rack mounts included
Memory	6 GB (SSP-10) 12 GB (with 2 modules per chassis)	12 GB (SSP-20) 24 GB (with 2 modules per chassis)	12 GB (SSP-40) 36 GB (with 2 modules per chassis)	24 GB (SSP-60) 72 GB (with 2 modules per chassis)
Minimum system flash	2 GB (SSP-10) 4 GB (with 2 modules per chassis)	2 GB (SSP-20) 4 GB (with 2 modules per chassis)	2 GB (SSP-40) 4 GB (with 2 modules per chassis)	2 GB (SSP-60) 4 GB (with 2 modules per chassis)
Operating temperature	32 to 104°F (0 to 40°C)	32 to 104°F (0 to 40°C)	32 to 104°F (0 to 40°C)	32 to 104°F (0 to 40°C)
Relative humidity	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing
Altitude	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)	Designed and tested for 0 to 10,000 ft (3050 m)
Noise	65 dBa max	65 dBa max	65 dBa max	65 dBa max
Temperature	-40 to +158°F (-40 to +70°C)	-40 to +158°F (-40 to +70°C)	-40 to +158°F (-40 to +70°C)	-40 to +158°F (-40 to +70°C)
Relative humidity	5 to 95 percent noncondensing	5 to 95 percent noncondensing	5 to 95 percent noncondensing	5 to 95 percent noncondensing
Altitude	0 to 30,000 ft (9144 m)	0 to 30,000 ft (9144 m)	0 to 30,000 ft (9144 m)	0 to 30,000 ft (9144 m)
Range line voltage	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Normal line voltage	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Maximum current	9A (100 VAC), 4.5A (200 VAC)	9A (100 VAC), 4.5A (200 VAC)	9A (100 VAC), 4.5A (200 VAC)	9A (100 VAC), 4.5A (200 VAC)
Frequency	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz
Steady state	320W (1 SSP only) 670W (with 2 modules per chassis)	320W (1 SSP only) 670W (with 2 modules per chassis)	320W (1 SSP only) 670W (with 2 modules per chassis)	320W (1 SSP only) 670W (with 2 modules per chassis)
Maximum peak	370W (1 SSP only) 770W (with 2 modules per chassis)	370W (1 SSP only) 770W (with 2 modules per chassis)	370W (1 SSP only) 770W (with 2 modules per chassis)	370W (1 SSP only) 770W (with 2 modules per chassis)
Maximum heat dissipation	3960 Btu/hr (100 VAC), 5450 Btu/hr (200 VAC)	3960 Btu/hr (100 VAC), 5450 Btu/hr (200 VAC)	3960 Btu/hr (100 VAC), 5450 Btu/hr (200 VAC)	3960 Btu/hr (100 VAC), 5450 Btu/hr (200 VAC)
Form factor	2RU, 19-in. rack-mountable	2RU, 19-in. rack-mountable	2RU, 19-in. rack-mountable	2RU, 19-in. rack-mountable
Dimensions (H x W x D)	3.47 x 19 x 26.5 in. (8.8x 48.3 x 67.3 cm)	3.47 x 19 x 26.5 in. (8.8x 48.3 x 67.3 cm)	3.47 x 19 x 26.5 in. (8.8x 48.3 x 67.3 cm)	3.47 x 19 x 26.5 in. (8.8x 48.3 x 67.3 cm)
Weight	50 lb (22.7 kg) with 1 SSP and single power supply 62 lb (28.2 kg) with 2 modules per chassis and dual power supplies	50 lb (22.7 kg) with 1 SSP and single power supply 62 lb (28.2 kg) with 2 modules per chassis and dual power supplies	50 lb (22.7 kg) with 1 SSP and single power supply 62 lb (28.2 kg) with 2 modules per chassis and dual power supplies	50 lb (22.7 kg) with 1 SSP and single power supply 62 lb (28.2 kg) with 2 modules per chassis and dual power supplies

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[6] Available for the firewall feature set.

Feature	Cisco ASA 5585-X with SSP-10	Cisco ASA 5585-X with SSP-20	Cisco ASA 5585-X with SSP-40	Cisco ASA 5585-X with SSP-60
Safety	UL 60950-1, CAN/CSA-C22.2 No. 60950-1 EN 60950-1, IEC 60950-1, AS/NZS 60950-1GB4943	UL 60950-1, CAN/CSA-C22.2 No. 60950-1 EN 60950-1, IEC 60950-1, AS/NZS 60950-1GB4943	UL 60950-1, CAN/CSA-C22.2 No. 60950-1 EN 60950-1, IEC 60950-1, AS/NZS 60950-1GB4943	UL 60950-1, CAN/CSA-C22.2 No. 60950-1 EN 60950-1, IEC 60950-1, AS/NZS 60950-1GB4943
Electromagnetic compatibility (EMC)	47CFR Part 15 (CFR 47) Class A, AS/NZS CISPR22 Class A, CISPR2 2 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A, EN50082-1, EN55024, CISPR24, EN300386, KN 61000-4 Series	47CFR Part 15 (CFR 47) Class A, AS/NZS CISPR22 Class A, CISPR2 2 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A, EN50082-1, EN55024, CISPR24, EN300386, KN 61000-4 Series	47CFR Part 15 (CFR 47) Class A, AS/NZS CISPR22 Class A, CISPR2 2 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A, EN50082-1, EN55024, CISPR24, EN300386, KN 61000-4 Series	47CFR Part 15 (CFR 47) Class A, AS/NZS CISPR22 Class A, CISPR2 2 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A, EN50082-1, EN55024, CISPR24, EN300386, KN 61000-4 Series

Note: Performance numbers were tested and validated with Cisco ASA Software Release 8.4.

Weight	11.5 lb (5.2 kg)
Regulatory and Standards Compliance	
Safety	UL 60950-1, CAN/CSA-C22.2 No. 60950-1 EN 60950-1, IEC 60950-1, AS/NZS 60950-1 GB4943
Electromagnetic Compatibility (EMC)	47CFR Part 15 (CFR 47) Class A, AS/NZS CISPR22 Class A, CISPR2 2 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A, EN50082-1, EN55024, CISPR24, EN300386, KN 61000-4 Series

Cisco ASA 5585-X I/O Modules

Mission-critical data centers running Cisco ASA Software Release 8.4.4 and later can use the top slot of the Cisco ASA 5585-X to add up to two Cisco ASA 5585-X I/O modules for exceptional flexibility and security. With two Cisco ASA 5585-X I/O modules, a single Cisco ASA 5585-X can support up to twenty 10 Gigabit Ethernet ports or up to fifty 1 Gigabit Ethernet ports. Using the Cisco ASA 5585-X Divider, the top slot is partitioned into two half-slots, with each I/O module occupying one half-slot. When only one I/O module is installed, a half-slot blank cover is required to cover the empty half-slot.

Table 2 describes each of the Cisco ASA 5585-X I/O modules in more detail.

Table 2. Cisco ASA 5585-X I/O Modules

Product Description	Number of Ports			Product Part Number
	SFP/SFP+ Ports	**SFP Ports**	**10/100/1000BASE-T Ports**	
Configuration Options				
Cisco ASA 5585-X 8-port 10 Gigabit Ethernet module	8	-	-	ASA5585-NM-8-10GE
Cisco ASA 5585-X 4-port 10 Gigabit Ethernet module	4	-	-	ASA5585-NM-4-10GE
Cisco ASA 5585-X 20-port 1 Gigabit Ethernet module	-	12	8	ASA5585-NM-20-1GE
Cisco ASA 5585-X slot divider	-	-	-	ASA5585-SEPTUM
Cisco ASA 5585-X half-slot cover	-	-	-	ASA5585-BLANK-H

Product Description	Number of Ports			Product Part Number
	SFP/SFP+ Ports	SFP Ports	10/100/1000BASE-T Ports	
Spares				
Cisco ASA 5585-X 8-port 10 Gigabit Ethernet module	8	-	-	ASA5585-NM-8-10GE=
Cisco ASA 5585-X 4-port 10 Gigabit Ethernet module	4	-	-	ASA5585-NM-4-10GE=
Cisco ASA 5585-X 20-port 1 Gigabit Ethernet module	-	12	8	ASA5585-NM-20-1GE=
Cisco ASA 5585-X slot divider	-	-	-	ASA5585-SEPTUM=
Cisco ASA 5585-X half-slot cover	-	-	-	ASA5585-BLANK-H=

Table 3 lists the 10 Gigabit Ethernet Enhanced Small Form-Factor Pluggable (SFP+) and 1 Gigabit Ethernet SFPs that are supported.

Table 3.   Supported SFP and SFP+ Modules

	Product Description	Product Part Number
Supported SFP modules	Cisco 1000 Base-SX SFP module, MMF, 850nm, DOM	GLC-SX-MMD
	Cisco 1000 Base-LX/LH SFP module, MMF/SMF, 1310nm, DOM	GLC-LH-SMD
	Cisco 1000BASE-T copper SFP	GLC-T
	Cisco 1000BASE-EX SFP module, SMF, 1550nm, DOM	GLC-ZX-SMD
	Cisco 1000BASE-ZX SFP module, SMF, 1310nm, DOM	GLC-EX-SMD
Supported SFP+ modules	10G SR SFP+ modules	SFP-10G-SR
	10G LRM SFP+ module	SFP-10G-LRM
	10G LR SFP+ module	SFP-10G-LR
	10G ER SFP+ module	SFP-10G-ER
	10G BASE-CU SFP+ cable 1 meter, passive	SFP-H10GB-CU1M
	10G BASE-CU SFP+ cable 3 meter, passive	SFP-H10GB-CU3M
	10G BASE-CU SFP+ cable 5 meter, passive	SFP-H10GB-CU5M
	10G BASE-CU SFP+ cable 7 meter, active	SFP-H10GB-ACU7M
	10G BASE-CU SFP+ cable 10 meter, active	SFP-H10GB-ACU10M

Optional DC Power Supplies

Service providers and data centers that require data-center-powered equipment can purchase Cisco ASA 5585-X data center power supply modules with built-in fans. These power supplies deliver up to 1150 watts of data center power for Cisco ASA 5585-X Next-Generation Firewalls. Two data center power supplies are required for each Cisco ASA 5585-X chassis. The minimum software required is Cisco ASA Software Release 8.4.5.

Warranty Information

Find warranty information on Cisco.com at the Product Warranties page.

Ordering Information

Help customers understand all the components or parts they need to purchase in order to install and use the product.

To place an order, visit the Cisco How to Buy homepage.

Table 4 lists part numbers for customer convenience.

Table 4.   Ordering Information

Product Name	Product Part Number
Cisco ASA 5585-X Firewall Edition Bundles	
Cisco ASA 5585-X Firewall Edition SSP-10 bundle includes 8 Gigabit Ethernet interfaces, 2 Gigabit Ethernet SFP interfaces, 2 Gigabit Ethernet management interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5585-S10-K8
Cisco ASA 5585-X Firewall Edition SSP-10 bundle includes 8 Gigabit Ethernet interfaces, 2 Gigabit Ethernet SFP interfaces, 2 Gigabit Ethernet management interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5585-S10-K9
Cisco ASA 5585-X Security Plus Firewall Edition SSP-10 bundle includes 8 Gigabit Ethernet interfaces, 2 10 Gigabit Ethernet SFP+ interfaces, 2 Gigabit Ethernet management interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S10X-K9
Cisco ASA 5585-X Firewall Edition SSP-20 bundle includes 8 Gigabit Ethernet interfaces, 2 Gigabit Ethernet SFP interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5585-S20-K8
Cisco ASA 5585-X Firewall Edition SSP-20 bundle includes 8 Gigabit Ethernet interfaces, 2 Gigabit Ethernet SFP interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5585-S20-K9
Cisco ASA 5585-X Security Plus Firewall Edition SSP-20 bundle includes 8 Gigabit Ethernet interfaces, 2 10 Gigabit Ethernet SFP+ interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S20X-K9
Cisco ASA 5585-X Firewall Edition SSP-40 bundle includes 6 Gigabit Ethernet interfaces, 4 10 Gigabit Ethernet SFP+ interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5585-S40-K8
Cisco ASA 5585-X Firewall Edition SSP-40 bundle includes 6 Gigabit Ethernet interfaces, 4 10 Gigabit Ethernet SFP+ interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5585-S40-K9
Cisco ASA 5585-X Firewall Edition SSP-40 bundle includes 6 Gigabit Ethernet interfaces, 4 10 Gigabit Ethernet SFP+ interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S40-2A-K9
Cisco ASA 5585-X Firewall Edition SSP-60 bundle includes 6 Gigabit Ethernet interfaces, 4 10 Gigabit Ethernet SFP+ interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S60-2A-K8
Cisco ASA 5585-X Firewall Edition SSP-60 bundle includes 6 Gigabit Ethernet interfaces, 4 10 Gigabit Ethernet SFP+ interfaces, 2 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S60-2A-K9
Cisco ASA 5585-X SSL/IPsec VPN Edition Bundles	
Cisco ASA 5585-X SSL/IPsec VPN Edition SSP-10 Bundle includes 5000 IPsec VPN peers, 5000 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 2 management interfaces, 3DES/AES license	ASA5585-S10-5K-K9
Cisco ASA 5585-X SSL/IPsec VPN Edition SSP-20 Bundle includes 10,000 IPsec VPN peers, 10,000 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 2 management interfaces, 3DES/AES license	ASA5585S20-10K-K9
Cisco ASA 5585-X SSL/IPsec VPN Edition SSP-40 Bundle includes 10,000 IPsec VPN peers, 10,000 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 2 management interfaces, 3DES/AES license	ASA5585S40-10K-K9
Cisco ASA 5585-X SSL/IPsec VPN Edition SSP-60 Bundle includes 10,000 IPsec VPN peers, 10,000 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 2 management interfaces, 3DES/AES license	ASA5585S60-10K-K9
Cisco ASA 5585-X Security Services Processors	
Cisco ASA 5585-X Security Services Processor-10 (SSP-10)	ASA-SSP-10-K8=
Cisco ASA 5585-X Security Services Processor-20 (SSP-20)	ASA-SSP-20-K8=
Cisco ASA 5585-X Security Services Processor-40 (SSP-40)	ASA-SSP-40-K8=
Cisco ASA 5585-X Security Services Processor-60 (SSP-60)	ASA-SSP-60-K8=
Cisco ASA 5585-X DC Power Supplies	
Cisco ASA 5585 DC Power Supply (configurable option)	ASA5585-DC-PWR
Cisco ASA 5585 DC Power Supply (spare)	ASA5585-DC-PWR=
Cisco ASA 5585-X SSP40 DC Power bundle	ASA5585- S40-2D-K9
Cisco ASA 5585-X SSP60 DC Power bundle	ASA5585- S60-2D-K9

To Download the Software

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

Service and Support

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

Included in the "Operate" phase of the service lifecycle are the Cisco Security IntelliShield® Alert Manager Service, Cisco SMARTnet™ services, the Cisco SP Base, and Cisco Services for IPS. These services are suitable for enterprise, commercial, and service provider customers.

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

Cisco Services for IPS supports modules, platforms, and bundles of platforms and modules that feature Cisco IPS capabilities. Cisco SMARTnet and Cisco SP 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/en/US/products/ps6120/index.html
- Cisco Cloud Web Security: http://www.cisco.com/en/US/products/ps11720/index.html
- Cisco TrustSec Solutions: http://www.cisco.com/en/US/netsol/ns1051/index.html
- Cisco AnyConnect: http://www.cisco.com/go/anyconnect
- Cisco AnyConnect Ordering Guide: http://www.cisco.com/c/en/us/products/security/anyconnect-secure-mobility-client/sales-resources-listing.html
- Cisco Security Manager: http://www.cisco.com/en/US/products/ps6498/index.html
- Cisco Adaptive Security Device Manager: http://www.cisco.com/en/US/products/ps6121/index.html
- Cisco Security Services: http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv_group_home.html

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