Cisco ASA 5500 Series Adaptive Security Appliances

Cisco® ASA 5500 Series Adaptive Security Appliances deliver a robust suite of highly integrated, market-leading security services for small and medium-sized businesses (SMBs), enterprises, service providers, and mission-critical data centers— in addition to providing unprecedented services flexibility, modular scalability, feature extensibility, and lower deployment and operations costs.

A key component of the Cisco Secure Borderless Network, the Cisco ASA 5500 Series Adaptive Security Appliances deliver superior scalability, a broad span of technology and solutions, and effective, always-on security designed to meet the needs of a wide array of deployments. By integrating the world's most proven firewall; a comprehensive, highly effective intrusion prevention system (IPS) with Cisco Global Correlation and guaranteed coverage; high-performance VPN and always-on remote access, the Cisco ASA 5500 Series helps organizations provide secure, high performance connectivity and protects critical assets for maximum productivity.

Figure 1.   The Cisco ASA 5500 Series Adaptive Security Appliances

The Cisco ASA 5500 Series helps businesses increase effectiveness and efficiency in protecting their networks and applications while delivering exceptional investment protection through the following elements:

- **Market-proven security capabilities**—The Cisco ASA 5500 Series integrates multiple full-featured, high-performance security services, including application-aware firewall, SSL and IPsec VPN, IPS with Global Correlation and guaranteed coverage, antivirus, antispam, antiphishing, and web filtering services. Combined with real-time reputation technology, these technologies deliver highly effective network- and application-layer security, user-based access control, worm mitigation, malware protection, improved employee productivity, instant messaging and peer-to-peer control, and secure remote user and site connectivity. The only IPS with market leading reputation technology, Cisco IPS with Global Correlation provides twice the efficacy of legacy IPS and includes guaranteed coverage for enhanced peace of mind. Offering seamless client and clientless access for a broad spectrum of desktop and mobile platforms, the Cisco ASA 5585-X delivers always-on secure mobility with integrated web security and IPS for policy enforcement and threat protection.
- **Extensible integrated services architecture**—The Cisco ASA 5500 Series offers businesses strong, adaptive protection from the fast-evolving threat environment through its unique combination of hardware and software extensibility and its powerful Modular Policy Framework (MPF). The innovative extensible multiprocessor design and software architecture of the Cisco ASA 5500 Series enables businesses to easily install additional high-performance security services through security services processors (SSPs), security services modules (SSMs) and security services cards (SSCs). This provides businesses with outstanding investment protection, while enabling them to expand the security services profile of their Cisco ASA 5500 Series as their security and performance needs grow. All these services are easily managed through the powerful Cisco Modular Policy Framework, which allows businesses to create highly customized security policies while making it simple to add new security and networking services into their existing policies.
- **Reduced deployment and operations costs**—The Cisco ASA 5500 Series enables standardization on a single platform to reduce the overall operational cost of security. A common environment for configuration

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simplifies management and reduces training costs for staff, while the common hardware platform of the series reduces sparing costs. Additional efficiencies are realized by deploying integrated capabilities, obviating the need for the complex designs required to connect standalone solutions.

- **Comprehensive management interfaces**—The graphical Cisco Adaptive Security Device Manager (ASDM), a comprehensive command line interface (CLI), verbose syslog, and Simple Network Management Protocol (SNMP) support round out a rich complement of management options. Multi-unit deployments benefit greatly from Cisco Security Manager, a platform capable of managing distributed deployments of hundreds of devices.

The Cisco ASA 5500 Series

The Cisco ASA 5500 Series includes the Cisco ASA 5505, 5510, 5520, 5540, 5550, 5580, and 5585-X Adaptive Security Appliances—purpose-built, high-performance security solutions that take advantage of Cisco's expertise in developing industry-leading, award-winning security and VPN solutions. Through the Cisco MPF, the Cisco ASA 5500 Series brings a new level of security and policy control to applications and networks. MPF enables highly customizable, flow-specific security policies that have been tailored to application requirements. The performance and extensibility of the Cisco ASA 5500 Series is enhanced through user-installable SSMs. This adaptable architecture enables businesses to rapidly deploy security services when and where they are needed, such as tailoring inspection techniques to specific application and user needs or adding additional intrusion prevention and content security services such as those delivered by the Adaptive Inspection and Prevention (AIP) and Content Security and Control (CSC) SSMs. Furthermore, the modular hardware architecture of the Cisco ASA 5500 Series, along with the powerful MPF, provides the flexibility to meet future network and security requirements, extending the outstanding investment protection provided by the Cisco ASA 5500 Series and allowing businesses to adapt their network defenses to new threats as they arise.

All Cisco ASA 5500 Series appliances offer both IPsec and SSL/DTLS VPN solutions; Clientless and AnyConnect VPN features are licensed at various price points, on a per seat and per feature basis. By converging SSL and IPsec VPN services with comprehensive threat defense technologies, the Cisco ASA 5500 Series provides highly customizable, granular network access tailored to meet the requirements of diverse deployment environments, while providing advanced endpoint and network-level security.

Cisco ASA 5505 Adaptive Security Appliance

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

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

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

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

Table 1 lists features of the Cisco ASA 5505.

Table 1.   Cisco ASA 5505 Adaptive Security Appliance Platform Capabilities and Capacities

Feature	Description
Firewall Throughput	Up to 150 Mbps
Maximum Firewall and IPS Throughput	Up to 75 Mbps with AIP SSC-5
VPN Throughput	Up to 100 Mbps
Concurrent Sessions	10,000/25,000[*]
IPsec VPN Peers	10; 25[*]
Premium AnyConnect VPN Peer License Levels[**]	2, 10, or 25
Interfaces	8-port Fast Ethernet switch with dynamic port grouping (including 2 PoE ports)
Virtual Interfaces (VLANs)	3 (no trunking support)/20 (with trunking support)[*]
High Availability	Not supported; stateless Active/Standby and redundant ISP support[*]

Performance numbers tested and validated with Cisco ASA Software Release 7.2.

Cisco ASA 5510 Adaptive Security Appliance

The Cisco ASA 5510 Adaptive Security Appliance delivers advanced security and networking services for small and medium-sized businesses and enterprise remote/branch offices in an easy-to-deploy, cost-effective appliance. These services can be easily managed and monitored by the integrated Cisco ASDM application, thus reducing the overall deployment and operations costs associated with providing this high level of security. The Cisco ASA 5510 Adaptive Security Appliance provides high-performance firewall and VPN services and five integrated 10/100 Fast Ethernet interfaces. It optionally provides high-performance intrusion prevention and worm mitigation services through the AIP SSM, or comprehensive malware protection services through the CSC SSM. This unique combination of services on a single platform makes the Cisco ASA 5510 an excellent choice for businesses requiring a cost-effective, extensible, DMZ-enabled security solution.

As business needs grow, customers can install a Security Plus license, upgrading two of the Cisco ASA 5510 Adaptive Security Appliance interfaces to Gigabit Ethernet and enabling integration into switched network environments through VLAN support. This upgrade license maximizes business continuity by enabling Active/Active and Active/Standby high-availability services. Using the optional security context capabilities of the Cisco ASA 5510 Adaptive Security Appliance, businesses can deploy up to five virtual firewalls within an appliance to enable

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[*] Upgrade available with Cisco ASA 5505 Security Plus license
[**] Separately licensed feature; includes two with the base system

compartmentalized control of security policies on a departmental level. This virtualization strengthens security and reduces overall management and support costs while consolidating multiple security devices into a single appliance.

Businesses can extend their SSL and IPsec VPN capacity to support a larger number of mobile workers, remote sites, and business partners. Up to 250 AnyConnect and/or clientless VPN peers can be supported on each Cisco ASA 5510 by installing an Essential or a Premium AnyConnect VPN license; up to 250 IPsec VPN peers are supported on the base platform.

VPN capacity and resiliency can also be increased by taking advantage of the Cisco ASA 5510's integrated VPN clustering and load-balancing capabilities (available with a Security Plus license). The Cisco ASA 5510 supports up to 10 appliances in a cluster, offering a maximum of 2500 AnyConnect and/or clientless VPN peers or 2500 IPsec VPN peers per cluster. For business continuity and event planning, the Cisco ASA 5510 can also benefit from the Cisco VPN FLEX licenses, which enable administrators to react to or plan for short-term bursts of concurrent Premium VPN remote-access users, for up to a 2-month period.

Table 2 lists features of the Cisco ASA 5510.

Table 2.   Cisco ASA 5510 Adaptive Security Appliance Platform Capabilities and Capacities

Feature	Description
Firewall Throughput	Up to 300 Mbps
Maximum Firewall and IPS Throughput	• Up to 150 Mbps with AIP SSM-10 • Up to 300 Mbps with AIP SSM-20
VPN Throughput	Up to 170 Mbps
Concurrent Sessions	50,000; 130,000[*]
IPsec VPN Peers	250
Premium AnyConnect VPN Peer License Levels[**]	2,10, 25, 50, 100, or 250
Security Contexts	Up to 5[***]
Interfaces[*]	5 Fast Ethernet ports; 2 Gigabit Ethernet + 3 Fast Ethernet[*]
Virtual Interfaces (VLANs)	50; 100[*]
Scalability[*]	VPN clustering and load balancing
High Availability	Not supported; Active/Active[****], Active/Standby[*]

Performance numbers tested and validated with Cisco ASA Software Release 7.2.

Cisco ASA 5520 Adaptive Security Appliance

The Cisco ASA 5520 Adaptive Security Appliance delivers security services with Active/Active high availability and Gigabit Ethernet connectivity for medium-sized enterprise networks in a modular, high-performance appliance. With four Gigabit Ethernet interfaces and support for up to 100 VLANs, businesses can easily deploy the Cisco ASA 5520 into multiple zones within their network. The Cisco ASA 5520 Adaptive Security Appliance scales with businesses as their network security requirements grow, delivering solid investment protection.

Businesses can extend their SSL and IPsec VPN capacity to support a larger number of mobile workers, remote sites, and business partners. Up to 750 AnyConnect and/or clientless VPN peers can be supported on each Cisco ASA 5520 by installing an Essential or a Premium AnyConnect VPN license; 750 IPsec VPN peers are supported on the base platform. VPN capacity and resiliency can be increased by taking advantage of the Cisco ASA 5520's integrated VPN clustering and load-balancing capabilities. The Cisco ASA 5520 supports up to 10 appliances in a

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[*] Upgrade available with Cisco ASA 5510 Security Plus license
[**] Separately licensed feature; includes two with the base system
[***] Separately licensed feature; includes two with the Cisco ASA 5510 Security Plus license
[****] Available for the firewall feature set

cluster, offering a maximum of 7500 AnyConnect and/or clientless VPN peers or 7500 IPsec VPN peers per cluster. For business continuity and event planning, the Cisco ASA 5520 can also benefit from the Cisco VPN FLEX licenses, which enable administrators to react to or plan for short-term bursts of concurrent Premium VPN remote-access users, for up to a 2-month period.

The advanced application-layer security and content security defenses provided by the Cisco ASA 5520 can be extended by deploying the high-performance intrusion prevention and worm mitigation capabilities of the AIP SSM, or the comprehensive malware protection of the CSC SSM. Using the optional security context capabilities of the Cisco ASA 5520 Adaptive Security Appliance, businesses can deploy up to 20 virtual firewalls within an appliance to enable compartmentalized control of security policies on a departmental level. This virtualization strengthens security and reduces overall management and support costs while consolidating multiple security devices into a single appliance.

Table 3 lists features of the Cisco ASA 5520.

Table 3. Cisco ASA 5520 Adaptive Security Appliance Platform Capabilities and Capacities

Feature	Description
Firewall Throughput	Up to 450 Mbps
Maximum Firewall and IPS Throughput	- Up to 225 Mbps with AIP SSM-10 - Up to 375 Mbps with AIP SSM-20 - Up to 450 Mbps with AIP SSM-40
VPN Throughput	Up to 225 Mbps
Concurrent Sessions	280,000
IPsec VPN Peers	750
Premium AnyConnect VPN Peer License Levels[*]	2,10, 25, 50, 100, 250, 500, or 750
Security Contexts[*]	Up to 20
Interfaces	4 Gigabit Ethernet ports and 1 Fast Ethernet port
Virtual Interfaces (VLANs)	150
Scalability	VPN clustering and load balancing
High Availability	Active/Active[**], Active/Standby

Performance numbers tested and validated with Cisco ASA Software Release 7.2.

Cisco ASA 5540 Adaptive Security Appliance

The Cisco ASA 5540 Adaptive Security Appliance delivers high-performance, high-density security services with Active/Active high availability and Gigabit Ethernet connectivity for medium-sized and large enterprise and service-provider networks, in a reliable, modular appliance. With four Gigabit Ethernet interfaces and support for up to 100 VLANs, businesses can use the Cisco ASA 5540 to segment their network into numerous zones for improved security. The Cisco ASA 5540 Adaptive Security Appliance scales with businesses as their network security requirements grow, delivering exceptional investment protection and services scalability. The advanced network and application-layer security services and content security defenses provided by the Cisco ASA 5540 Adaptive Security Appliance can be extended by deploying the AIP SSM for high-performance intrusion prevention and worm mitigation.

Businesses can scale their SSL and IPsec VPN capacity to support a larger number of mobile workers, remote sites, and business partners. Up to 2500 AnyConnect and/or clientless VPN peers can be supported on each Cisco ASA 5540 by installing an Essential or a Premium AnyConnect VPN license; 5000 IPsec VPN peers are supported on the

[*] Separately licensed feature; includes two with base system
[**] Available for the firewall feature set

base platform. VPN capacity and resiliency can also be increased by taking advantage of the integrated VPN clustering and load-balancing capabilities of the Cisco ASA 5540. The Cisco ASA 5540 supports up to 10 appliances in a cluster, supporting a maximum of 25,000 AnyConnect and/or clientless VPN peers or 50,000 IPsec VPN peers per cluster. For business continuity and event planning, the ASA 5540 can also benefit from the Cisco VPN FLEX licenses, which enable administrators to react to or plan for short-term bursts of concurrent Premium VPN remote-access users, for up to a 2-month period.

Using the optional security context capabilities of the Cisco ASA 5540 Adaptive Security Appliance, businesses can deploy up to 50 virtual firewalls within an appliance to enable compartmentalized control of security policies on a per-department or per-customer basis, and deliver reduced overall management and support costs.

Table 4 lists features of the Cisco ASA 5540.

Table 4.   Cisco ASA 5540 Adaptive Security Appliance Platform Capabilities and Capacities

Feature	Description
Firewall Throughput	Up to 650 Mbps
Maximum Firewall and IPS Throughput	• Up to 500 Mbps with AIP SSM-20 • Up to 650 Mbps with AIP SSM-40
VPN Throughput	Up to 325 Mbps
Concurrent Sessions	400,000
IPsec VPN Peers	5000
Premium AnyConnect VPN Peer License Levels[*]	2, 10, 25, 50, 100, 250, 500, 750, 1000, and 2500
Security Contexts	Up to 50[*]
Interfaces	4 Gigabit Ethernet ports and 1 Fast Ethernet port
Virtual Interfaces (VLANs)	200
Scalability	VPN clustering and load balancing
High Availability	Active/Active[**], Active/Standby

Performance numbers tested and validated with Cisco ASA Software Release 7.2.

Cisco ASA 5550 Adaptive Security Appliance

The Cisco ASA 5550 Adaptive Security Appliance delivers gigabit-class security services with Active/Active or Active/Standby high availability, and fiber and Gigabit Ethernet connectivity, for large enterprise and service-provider networks in a reliable, 1-rack-unit form factor. Using its eight Gigabit Ethernet interfaces, four Small Form-Factor Pluggable (SFP) fiber interfaces[*], and support for up to 200 VLANs, businesses can segment their network into numerous high-performance zones for improved security.

The Cisco ASA 5550 Adaptive Security Appliance scales with businesses as their network security requirements grow, delivering exceptional investment protection and services scalability. Businesses can scale their SSL and IPsec VPN capacity to support a larger number of mobile workers, remote sites, and business partners. Up to 5000 AnyConnect and/or clientless VPN peers can be supported on each Cisco ASA 5550 by installing an Essential or a Premium AnyConnect VPN license; 5000 IPsec VPN peers are supported on the base platform. VPN capacity and resiliency can also be increased by taking advantage of the Cisco ASA 5550's integrated VPN clustering and load-balancing capabilities. The Cisco ASA 5550 supports up to 10 appliances in a cluster, supporting a maximum of 50,000 AnyConnect and/or clientless VPN peers or 50,000 IPsec VPN peers per cluster. For business continuity and event planning, the ASA 5550 can also benefit from the Cisco VPN FLEX licenses, which enable administrators to react to or plan for short-term bursts of concurrent Premium VPN remote-access users, for up to a 2-month period.

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[*] Separately licensed feature; includes two with base system
[**] Available for the firewall feature set

Using the optional security context capabilities of the Cisco ASA 5550 Adaptive Security Appliance, businesses can deploy up to 100 virtual firewalls within an appliance to enable compartmentalized control of security policies on a per-department or per-customer basis, and deliver reduced overall management and support costs.

Note: The system provides a total of 12 Gigabit Ethernet ports, of which only 8 can be in service at any time. Businesses can choose between copper or fiber connectivity, providing flexibility for data center, campus, or enterprise edge connectivity.

Table 5 lists features of the Cisco ASA 5550.

Table 5. Cisco ASA 5550 Adaptive Security Appliance Platform Capabilities and Capacities

Feature	Description
Firewall Throughput	Up to 1.2 Gbps
VPN Throughput	Up to 425 Mbps
Concurrent Sessions	650,000
IPsec VPN Peers	5000
Premium AnyConnect VPN Peer License Levels[*]	2,10, 25, 50, 100, 250, 500, 750, 1000, 2500, and 5000
Security Contexts	Up to 100
Interfaces	8 Gigabit Ethernet ports, 4 SFP fiber ports, and 1 Fast Ethernet port
Virtual Interfaces (VLANs)	400
Scalability	VPN clustering and load balancing
High Availability	Active/Active[**], Active/Standby

Performance numbers tested and validated with Cisco ASA Software Release 8.4.1

Cisco ASA 5580 Adaptive Security Appliances

The Cisco ASA 5580-20 and 5580-40 Adaptive Security Appliances deliver multigigabit security services for large enterprise, data center, and service-provider networks in a robust, 4-rack-unit form factor. The Cisco ASA 5580 accommodates high-density copper and optical interfaces with scalability from Fast Ethernet to 10 Gigabit Ethernet, enabling unparalleled security and deployment flexibility. Cisco ASA 5580 Adaptive Security Appliances include six interface card expansion slots with support for up to 24 Gigabit Ethernet interfaces or up to twelve 10 Gigabit Ethernet interfaces that simplify provisioning and enable campus segmentation. Furthermore, this high-density design enables security virtualization while retaining physical segmentation desired in managed security and infrastructure consolidation applications.

The Cisco ASA 5580 Series is offered at two performance levels: the Cisco ASA 5580-20 with 5 Gbps of real-world firewall performance, and the high-end Cisco ASA 5580-40 with 10 Gbps of real-world firewall performance. Their multicore, multiprocessor architecture delivers radical scalability for the most demanding network security and VPN concentration applications. Real-time applications can be transparently secured thanks to the extremely low latency, high session concurrency, and connection setup rates.

Businesses can scale their SSL and IPsec VPN capacity to support a larger number of mobile workers, remote sites, and business partners. Up to 10,000 AnyConnect and/or clientless VPN peers can be supported on each Cisco ASA 5580 by installing an Essential or a Premium AnyConnect VPN license; 10,000 IPsec VPN peers are supported on the base platform. Cisco ASA 5580 Adaptive Security Appliances can also be clustered to improve reliability and scalability, with support for up to 100,000 AnyConnect and/or clientless or IPsec remote-access clients when deploying 10 appliances in a cluster. For business continuity and event planning, the ASA 5580 can also benefit

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[*] Separately licensed feature; includes two with base system
[**] Available for the firewall feature set

from the Cisco VPN FLEX licenses, which enable administrators to react to or plan for short-term bursts of concurrent Premium VPN remote-access users, for up to a 2-month period.

Additional features, including security virtualization through the use of security contexts and VLANs, increase service velocity while reducing operational and administrative overhead.

Table 6 lists features of the Cisco ASA 5580-20 and 5580-40.

Table 6.   Cisco ASA 5580 Adaptive Security Appliance Platform Capabilities and Capacities

Feature	ASA 5580-20	ASA 5580-40
Maximum Firewall Throughput	5 Gbps (real-world HTTP), 10 Gbps (max)	10 Gbps (real-world HTTP), 20 Gbps (max)
Maximum VPN Throughput[***]	1 Gbps	1 Gbps
Concurrent Sessions	2,000,000	4,000,000
IPsec VPN Peers	10000	10000
Premium AnyConnect VPN Peer License Levels	2,10, 25, 50, 100, 250, 500, 750, 1000, 2500, 5000, and 10,000	2,10, 25, 50, 100, 250, 500, 750, 1000, 2500, 5000, and 10,000
Security Contexts	Up to 250	Up to 250
Interfaces	2 Gigabit Ethernet management	2 Gigabit Ethernet management
Interface Card Slots	6	6
Interface Card Options	• 4-port 10/100/1000, RJ-45 • 4-port Gigabit Ethernet fiber, SR, LC • 2-port 10 Gigabit Ethernet fiber, SR, LC	• 4-port 10/100/1000, RJ-45 • 4-port Gigabit Ethernet fiber, SR, LC • 2-port 10 Gigabit Ethernet fiber, SR, LC
Virtual Interfaces (VLANs)	1024	1024
Scalability	VPN clustering and load balancing	VPN clustering and load balancing
High Availability	Active/Active[**], Active/Standby	Active/Active[**], Active/Standby
Redundant Power	Supported, second power supply optional	Supported, second power supply optional

Performance numbers tested and validated with Cisco ASA Software Release 8.4.1

Cisco ASA 5585-X Adaptive Security Appliances

Cisco ASA 5585-X Adaptive Security Appliances are tailored to meet the high performance needs of mission-critical data centers and provide peace of mind with Cisco guaranteed coverage. Supporting the highest VPN session counts and twice as many connections per second as competitive firewalls in its class, Cisco ASA 5585-X appliances meet the growing needs of today's most dynamic organizations. The appliances combine the world's most proven firewall with the industry's most comprehensive, effective IPS, offering the most effective security solution in the industry to significantly decrease business risk and address regulatory compliance—all in a compact 2-rack-unit footprint.

There are four Cisco ASA 5585 models: the entry-level Cisco ASA 5585-X with Security Services Processor -10 (SSP-10) delivers 2 Gbps of multi-protocol firewall performance; the Cisco ASA 5585-X with SSP-20 provides 5 Gbps of multi-protocol firewall performance; the Cisco ASA 5585-X with SSP-40 delivers 10 Gbps of multi-protocol firewall performance; and the high-end Cisco ASA 5585-X with SSP-60 provides 20 Gbps of multi-protocol firewall performance.

All four ASA 5585-X models reliably deliver exceptional scalability to meet the demanding needs of mission-critical data centers. The Cisco ASA 5585-X appliances can support up to 10,000 concurrent VPN sessions, while delivering

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[*] Separately licensed feature; includes two with base system
[**] Available for the firewall feature set
[***] VPN throughput and sessions count depend on the ASA device configuration and VPN traffic patterns. These elements should be taken in to consideration as part of your capacity planning.

up to twice the connections per second and up to four times the session count of other firewalls at a similar throughput. The appliances also provide twice the efficacy and the most comprehensive threat coverage of any IPS.

Table 7 lists features of the Cisco ASA 5585-X appliances.

Table 7. Cisco ASA 5585-X Adaptive Security Appliance Platform Capabilities and Capacities

Feature	ASA 5585-X with SSP-10	ASA 5585-X with SSP-20	ASA 5585-X with SSP-40	ASA 5585-X with SSP-60
Maximum Firewall Throughput (max[*])	4 Gbps	10 Gbps	20 Gbps	40 Gbps
Maximum Firewall Throughput (muti-protocol)	2 Gbps	5 Gbps	10 Gbps	20 Gbps
Maximum Firewall and IPS Throughput	2 Gbps (with IPS SSP-10)	3 Gbps (with IPS SSP-20)	5 Gbps (with IPS SSP-40)	10 Gbps (with IPS SSP-60)
Maximum VPN Throughput[**]	1 Gbps	2 Gbps	3 Gbps	5 Gbps
Concurrent Sessions	1,000,000	2,000,000	4,000,000	10,000,000
IPsec VPN Peers	Up to 5,000	Up to 10,000	Up to 10,000	Up to 10,000
Premium AnyConnect VPN Peer License Levels[***]	2,10, 25, 50, 100, 250, 500, 750, 1000, 2500, and 5000	2,10, 25, 50, 100, 250, 500, 750, 1000, 2500, 5000, and 10,000	2,10, 25, 50, 100, 250, 500, 750, 1000, 2500, 5000, and 10,000	2,10, 25, 50, 100, 250, 500, 750, 1000, 2500, 5000, and 10,000
Security Contexts[***]	Up to 100	Up to 250	Up to 250	Up to 250
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 Interfaces	16-port 10/100/1000, 4-port 10 Gigabit Ethernet[**] (SFP+) (requires IPS SSP-10)	16-port 10/100/1000, 4- port 10 Gigabit Ethernet[**] (SFP+) (requires IPS SSP-20)	12-port 10/100/1000,8-port 10 Gigabit Ethernet (SFP+) (requires IPS SSP-40)	12-port 10/100/1000, 8-port 10 Gigabit Ethernet (SFP+) (requires IPS SSP-60)
Virtual Interfaces (VLANs)	1,024	1,024	1,024	1,024
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[****] and Active/Standby	Active/Active[****] and Active/Standby	Active/Active[****] and Active/Standby	Active/Active[****] and Active/Standby
Redundant Power	Supported, second power supply optional	Supported, second power supply optional	Supported, second power supply optional	Supported

Performance numbers tested and validated with Cisco ASA Software Release 8.4.1

Specifications

Table 8 and 9 provides a comparison of the Cisco ASA 5505, 5510, 5520, 5540, 5550, 5580, and 5585-X Adaptive Security Appliances.

Table 8. Characteristics of Cisco ASA 5505, 5510, 5520, 5540, and 5550 Adaptive Security Appliances

Feature	Cisco ASA 5505	Cisco ASA 5510	Cisco ASA 5520	Cisco ASA 5540	Cisco ASA 5550
Users/Nodes	10, 50, or unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Firewall Throughput	Up to 150 Mbps	Up to 300 Mbps	Up to 450 Mbps	Up to 650 Mbps	Up to 1.2 Gbps

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[*] Max throughput measured under ideal test conditions.
[**] VPN throughput and sessions count depend on the ASA device configuration and VPN traffic patterns. These elements should be taken in to consideration as part of your capacity planning
[***] Separately licensed feature; includes two SSL licenses with base system
[****] Available for the firewall feature set

Feature	Cisco ASA 5505	Cisco ASA 5510	Cisco ASA 5520	Cisco ASA 5540	Cisco ASA 5550
Maximum Firewall and IPS Throughput	• Up to 150 Mbps with AIP-SSC-5	• Up to 150 Mbps with AIP-SSM-10 • Up to 300 Mbps with AIP-SSM-20	• Up to 225 Mbps with AIP-SSM-10 • Up to 375 Mbps with AIP-SSM-20 • Up to 450 Mbps with AIP-SSM-40	• Up to 500 Mbps with AIP-SSM-20 • Up to 650 Mbps with AIP-SSM-40	Not available
3DES/AES VPN Throughput[***]	Up to 100 Mbps	Up to 170 Mbps	Up to 225 Mbps	Up to 325 Mbps	Up to 425 Mbps
IPsec VPN Peers	10; 25[*]	250	750	5000	5000
Premium AnyConnect VPN Peers[*] (Included/Maximum)	2/25	2/250	2/750	2/2500	2/5000
Concurrent Connections	10,000; 25,000[*]	50,000; 130,000[*]	280,000	400,000	650,000
New Connections/Second	4000	9000	12,000	25,000	33,000
Integrated Network Ports	8-port Fast Ethernet switch (including 2 PoE ports)	5 Fast Ethernet ports; 2 Gigabit Ethernet + 3 Fast Ethernet ports[*]	4 Gigabit Ethernet, 1 Fast Ethernet	4 Gigabit Ethernet, 1 Fast Ethernet	8 Gigabit Ethernet, 4 SFP Fiber, 1 Fast Ethernet
Virtual Interfaces (VLANs)	3 (no trunking support)/20 (with trunking support)[*]	50/100[*]	150	200	400
Security Contexts (Included/Maximum)[*]	0/0	0/0 (Base); 2/5 (Security Plus)	2/20	2/50	2/50
High Availability	Not supported; stateless Active/Standby and redundant ISP support[*]	Not supported; Active/Active and Active/Standby[**]	Active/Active and Active/Standby	Active/Active and Active/Standby	Active/Active and Active/Standby
Expansion Slot	1, SSC	1, SSM	1, SSM	1, SSM	0
User-Accessible Flash Slot	0	1	1	1	1
USB 2.0 Ports	3 (1 on front, 2 on rear)	2	2	2	2
Serial Ports	1 RJ-45 console	2 RJ-45, console and auxiliary	2 RJ-45, console and auxiliary	2 RJ-45, console and auxiliary	2 RJ-45, console and auxiliary
Rack-Mountable	Yes, with rack-mount kit (available in the future)	Yes	Yes	Yes	Yes
Wall-Mountable	Yes, with wall-mount kit (available in the future)	Not available	Not available	Not available	Not available
Security Lock Slot (for Physical Security)	Yes	Not available	Not available	Not available	Not available
Technical Specifications					
Memory	512 MB	1 GB	2 GB	2 GB	4 GB
Minimum System Flash	128 MB	256 MB	256 MB	256 MB	256 MB
System Bus	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture
Environmental Operating Ranges					
Operating					
Temperature	32 to 104ºF (0 to 40ºC)				
Relative humidity	5 to 95 percent noncondensing				
Altitude	Designed and tested for: 0 to 9840 ft (3000 m) Agency approved for: 2000 m				
Shock	1.14 m/sec (45 in./sec) ½ sine input	1.14 m/sec (45 in./sec) 1/2 sine input			
Vibration	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms2 (3 to 500 Hz) random input			
Acoustic noise	0 dBa max	60 dBa max			

[*] Separately licensed feature; includes two SSL licenses with base system

[**] Available for the firewall feature set

[***] VPN throughput and sessions count depend on the ASA device configuration and VPN traffic patterns. These elements should be taken in to consideration as part of your capacity planning

Feature	Cisco ASA 5505	Cisco ASA 5510	Cisco ASA 5520	Cisco ASA 5540	Cisco ASA 5550
Nonoperating					
Temperature	-13 to 158ºF (-25 to 70ºC)	-13 to 158ºF (-25 to 70ºC)			
Relative humidity	5 to 95 percent noncondensing	5 to 95 percent noncondensing			
Altitude	0 to 15,000 ft (4570 m)	0 to 15,000 ft (4570 m)			
Shock	30 G	30 G			
Vibration	0.41 Grms2 (3 to 500 Hz) random input	0.41 Grms2 (3 to 500 Hz) random input			
Power					
Input (per Power Supply)					
Range line voltage	100 to 240 VAC	100 to 240 VAC			
Normal line voltage	100 to 240 VAC	100 to 240 VAC			
Current	1.8A	3A			
Frequency	50/60 Hz	47/63 Hz, single-phase			
Output					
Steady state	20W	150W			
Maximum peak	96W	190W			
Maximum heat dissipation	72 BTU/hr	648 BTU/hr			
Physical Specifications					
Form Factor	Desktop	1 RU, 19-in. rack-mountable			
Dimensions (H x W x D)	1.75 x 7.89 x 6.87 in. (4.45 x 20.04 x 17.45 cm)	1.75 x 17.5 x 14.25 in. (4.45 x 20.04 x 36.20 cm)			
Weight (with Power Supply)	4.0 lb (1.8 kg)	20.0 lb (9.07 kg)		22.0 lb (10 kg)	
Regulatory and Standards Compliance					
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950				
Electromagnetic Compatibility (EMC)	CE marking, FCC Part 15 Class B, AS/NZS CISPR22 Class B, VCCI Class B, EN55022 Class B, CISPR22 Class B, 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			
Industry Certifications	FIPS 140-2 Level 2 In process: Common Criteria EAL4+ US DoD Application-Level Firewall for Medium-Robustness Environments, and Common Criteria EAL4 for IPsec/SSL VPN	Common Criteria EAL4 US DoD Application-Level Firewall for Medium-Robustness Environments, Common Criteria EAL2 for IPS on AIP SSM-10 and -20, FIPS 140-2 Level 2, and NEBS Level 3 In process: Common Criteria EAL4+ US DoD Application-Level Firewall for Medium-Robustness Environments, and Common Criteria EAL4 for IPsec/SSL VPN		FIPS 140-2 Level 2 In process: Common Criteria EAL4+ US DoD Application-Level Firewall for Medium-Robustness Environments, and Common Criteria EAL4 for IPsec/SSL VPN	

Table 9. Characteristics of Cisco ASA 5580 and 5585-X Adaptive Security Appliances

Feature	Cisco ASA 5580-20	Cisco ASA 5580-40	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
Users/Nodes	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Firewall Throughput[*]	10 Gbps (Max); 5 Gbps (Real-world HTTP)	20 Gbps (Max): 10 Gbps (Real-world HTTP)	4 Gbps (Max); 2 Gbps (Multi-protocol)	10 Gbps (Max); 5 Gbps (Multi-protocol)	20 Gbps (Max); 10 Gbps (Multi-protocol)	40 Gbps (Max); 20 Gbps (Multi-protocol)
3DES/AES VPN Throughput[**]	1 Gbps	1 Gbps	1 Gbps	2 Gbps	3 Gbps	5 Gbps
IPsec VPN Peers	10,000	10,000	5,000	10,000	10,000	10,000
Premium AnyConnect VPN Peers[***]	2/10,000	2/10,000	2/5,000	2/10,000	2/10,000	2/10,000
Concurrent Connections	2,000,000	4,000,000	1,000,000	2,000,000	4,000,000	10,000,000
New Connections/Second	90,000	150,000	50,000	125,000	200,000	350,000
Packets/Second (64 byte)	2,500,000	4,000,000	1,500,000	3,000,000	5,000,000	9,000,000
Integrated Network Management Ports	2-port 10/100/1000	2-port 10/100/1000	2-port 10/100/1000	2-port 10/100/1000	2-port 10/100/1000	2-port 10/100/1000
Integrated Network Ports	N/A	N/A	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 Integrated Network Ports	N/A	N/A	16-port 10/100/1000, 4-port 10 Gigabit Ethernet SFP+ (SSP-10 and IPS SSP-10)	16-port 10/100/1000, 4-port 10 Gigabit Ethernet SFP+ (SSP-20 and IPS SSP-20)	12-port 10/100/1000,8-port 10 Gigabit Ethernet SFP+ (SSP-40 and IPS SSP-40)	12-port 10/100/1000, 8-port 10 Gigabit Ethernet SFP+ (SSP-60 and IPS SSP-60)
Interface Card Slots	6	6	2	2	2	2
Interface Card Options	• 4-port 10/100/1000, RJ-45 • 4-port Gigabit Ethernet fiber, SR, LC • 2-port 10 Gigabit Ethernet fiber, SR, LC	• 4-port 10/100/1000, RJ-45 • 4-port Gigabit Ethernet fiber, SR, LC • 2-port 10 Gigabit Ethernet fiber, SR, LC	Not available	Not available	Not available	Not available
Virtual Interfaces (VLANs)	1024	1024	1024	1024	1024	1024
Security Contexts[***]	Up to 250	Up to 250	Up to 100	Up to 250	Up to 250	Up to 250
High Availability	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	Active/Active[****] and Active/Standby
Redundant Power	Supported, second power supply optional	Supported, second power supply optional	Supported, second power supply optional	Supported, second power supply	Supported, second power supply	Supported
Interface Expansion	6 interface expansion card slots	6 interface expansion card slots	N/A	N/A	N/A	N/A
USB 2.0 Ports	2	2	2	2	2	2

[*] Max throughput measured under ideal test conditions
[**] VPN throughput and sessions count depend on the ASA device configuration and VPN traffic patterns. These elements should be taken in to consideration as part of your capacity planning
[***] Separately licensed feature; includes two SSL licenses with base system
[****] Available for the firewall feature set

Feature	Cisco ASA 5580-20	Cisco ASA 5580-40	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
Serial Ports	1 RJ-45, console	1 RJ-45, console	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, rails included	Yes, rails included	Yes, rack mounts included	Yes, rack mounts included	Yes, rack mounts included	Yes, rack mounts included
Technical Specifications						
Memory	8 GB	12 GB	6 GB (SSP-10) 12 GB (SSP-10 and IPS SSP-10)	12 GB (SSP-20) 24 GB (SSP-20 and IPS SSP-20)	12 GB (SSP-40) 36 GB (SSP-40 and IPS SSP-40)	24 GB (SSP-60) 72 GB (SSP-60 and IPS SSP-60)
Minimum System Flash	1 GB	1 GB	2 GB (SSP-10) 4 GB (SSP-10 and IPS SSP-10)	2 GB (SSP-20) 4 GB (SSP-20 and IPS SSP-20)	2 GB (SSP-40) 4 GB (SSP-40 and IPS SSP-40)	2 GB (SSP-60) 4 GB (SSP 60 and IPS SSP-60)
Environmental Operating Ranges						
Operating						
Operating temperature	50 to 95℉ (10 to 35℃)		32 to 104℉ (0 to 40℃)			
Relative humidity	10 to 90 percent noncondensing		10 to 90 percent noncondensing			
Altitude	Designed and tested for: 0 to 10,000 ft (3050 m) Agency approved for: 2000 m		Designed and tested for: 0 to 10,000 ft (3050 m)			
Noise	55 dBa max		65 dBa max			
Nonoperating						
Temperature	-22 to 140℉ (-30 to 60℃)		-40 to +158° F (-40 to +70℃)			
Relative humidity	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)			
Power						
Input (per Power Supply)						
Range line voltage	100 to 240 VAC		100 to 240 VAC			
Normal line voltage	100 to 240 VAC		100 to 240 VAC			
Max Current	12A		9A (100 VAC), 4.5A (200 VAC)			
Frequency	50/60 Hz		50 to 60 Hz			
Output (from Power Supply)						
Steady state	800W		320W (1 SSP only) 670W (1 SSP and 1 IPS SSP)			
Maximum peak	800W		370W (1 SSP only) 770W (1 SSP and 1 IPS SSP)			
Maximum heat dissipation	4070 BTU/hr		3960 BTU/hr (100 VAC), 5450 BTU/hr (200 VAC)			
Physical Specifications						
Form Factor	4 RU, 19-in. rack-mountable		2 RU, 19-in. rack-mountable			
Dimensions (H x W x D)	6.94 x 19 x 26.5 in. (17.6 x 48.3 x 67.3 cm)		3.47 x 19 x 26.5 in. (8.8x 48.3 x 67.3 cm)			
Weight	66 lb (29.9 kg) with single power supply		50 lbs (22.7 kg) with 1 SSP and single power supply 62 lbs (28.2 kg) with SSP and IPS-SSP and dual power supplies			
Regulatory and Standards						
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950		UL 60950-1, CAN/CSA-C22.2 No. 60950-1 EN 60950-1, IEC 60950-1, AS/NZS 60950-1GB4943			
Electromagnetic Compatibility (EMC)	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3		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			

Security Services Processors, Modules and Cards

The Cisco ASA 5500 Series brings a new level of integrated security performance to networks with its highly effective IPS services and multiprocessor hardware architecture. This architecture allows businesses to adapt and extend the high-performance security services profile of the Cisco ASA 5500 Series. Customers can add additional high-performance services using security services modules with dedicated security co-processors, and can custom-tailor flow-specific policies using a highly flexible policy framework. This adaptable architecture enables businesses to deploy new security services when and where they are needed, such as adding the broad range of intrusion prevention and advanced anti-worm services delivered by the IPS modules via IPS SSP, AIP SSM and AIP SSC, or the comprehensive malware protection and content security services enabled by the CSC SSM. Further, the architecture allows Cisco to introduce new services to address new threats, giving businesses outstanding investment protection for the Cisco ASA 5500 Series.

Cisco ASA 5500 Series IPS Modules

The Cisco ASA 5500 Series IPS SSP, AIP SSM, and AIP SSC are inline, network-based solutions that accurately identify, classify, and stop malicious traffic before it affects business continuity for IPv4, IPv6, and hybrid IPv6 and IPv4 networks. They combine inline prevention services with innovative technologies, resulting in total confidence in the provided protection of the deployed IPS solution, without the fear of legitimate traffic being dropped. The IPS SSP, AIP SSM and AIP SSC also offer comprehensive network protection through their unique ability to collaborate with other network security resources, providing a proactive approach to protecting the network. Accurate inline prevention technologies provide unparalleled confidence to take preventive action on a broader range of threats without the risk of dropping legitimate traffic. These unique technologies offer intelligent, automated, contextual analysis of data and help ensure that businesses are getting the most out of their intrusion prevention solutions. Furthermore, the IPS SSP, AIP SSM and AIP SSC use multivector threat identification to protect the network from policy violations, vulnerability exploitations, and anomalous activity through detailed inspection of traffic in Layers 2 through 7.

Table 10 and 11 detail the IPS SSP, AIP SSM and AIP SSC models that are available, and their respective performance and physical characteristics.

Table 10. Characteristics of Cisco ASA 5500 Series AIP SSM and SSC Models

Feature	Cisco ASA 5500 Series AIP SSC-5	Cisco ASA 5500 Series AIP SSM-10	Cisco ASA 5500 Series AIP SSM-20	Cisco ASA 5500 Series AIP SSM-40
Concurrent Threat Mitigation Throughput (Firewall + IPS Services)	• 75 Mbps with Cisco ASA 5505	• 150 Mbps with Cisco ASA 5510 • 225 Mbps with Cisco ASA 5520	• 300 Mbps with Cisco ASA 5510 • 375 Mbps with Cisco ASA 5520 • 500 Mbps with Cisco ASA 5540	• 450 Mbps with Cisco ASA 5520 • 650 Mbps with Cisco ASA 5540
Technical Specifications				
Memory	512 MB	1 GB	2 GB	4 GB
Flash	512 MB	256 MB	256 MB	2 GB
Environmental Operating Ranges				
Operating				
Temperature	32 to 104ºF (0 to 40ºC)			
Relative humidity	5 to 95 percent noncondensing			

Feature	Cisco ASA 5500 Series AIP SSC-5	Cisco ASA 5500 Series AIP SSM-10	Cisco ASA 5500 Series AIP SSM-20	Cisco ASA 5500 Series AIP SSM-40
Nonoperating				
Temperature	-13 to 158ºF (-25 to 70ºC)			
Power consumption	30W maximum	90W maximum		
Physical Specifications				
Dimensions (H x W x D)	0.68 X 3.55 X 5,2 In (1.73 X 9.02 X 13.21 cm)	1.70 x 6.80 x 12.25 in. (4.32 x 17.27 x 31.12 cm)		
Weight (with Power Supply)	0.42 lb (0.19 kg)	3.00 lb (1.36 kg)		
Regulatory and Standards Compliance				
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950			
Electromagnetic Compatibility (EMC)	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3			

Table 11.   Characteristics of Cisco ASA 5585-X IPS SSP Modules

Feature	Cisco ASA 5585-X IPS SSP-10	Cisco ASA 5585-X IPS SSP-20	Cisco ASA 5585-X IPS SSP-40	Cisco ASA 5585-X IPS SSP-60
IPS Throughput	• 2 Gbps	• 3 Gbps	• 5 Gbps	• 10 Gbps
Technical Specifications				
Memory	6 GB	12 GB	24GB	48 GB
Flash	2 GB	2 GB	2 GB	2 GB
Environmental Operating Ranges				
Operating				
Temperature	0 to 104℉ (0 to 40℃)			
Relative humidity	10 to 90 percent noncondensing			
Nonoperating				
Temperature	-40 to +158℉ (-40 to +70℃)			
Power output (from Power Supply)				
Power consumption	400W maximum			
Physical Specifications				
Dimensions (H x W x D)	1.70 x 17.20 x 15.60 in. (4.32 x 43.69 x 39.62 cm)			
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 5500 Series Content Security and Control Module

The Cisco ASA 5500 Series CSC SSM delivers industry-leading threat protection and content control at the Internet edge, providing comprehensive antivirus, antispyware, file blocking, antispam, antiphishing, URL blocking and filtering, and content filtering services in an easy-to-manage solution. The CSC SSM bolsters the Cisco ASA 5500 Series' strong security capabilities, providing customers with additional protection and control over the content of their business communications. The module provides additional flexibility and choice over the functioning and

deployment of Cisco ASA 5500 Series appliances. Licensing options enable organizations to customize the features and capabilities to each group's needs, with features that include advanced content services and increased user capacity. The CSC SSM ships with a default feature set that provides antivirus, antispyware, and file blocking services. A Plus license is available for each CSC SSM at an additional charge, delivering capabilities such as antispam, antiphishing, URL blocking and filtering, and content control services. Businesses can extend the user capacity of the CSC SSM by purchasing and installing additional user licenses. A detailed listing of these options is shown in Table 12 and in the CSC SSM data sheet.

Table 12. Characteristics of Cisco ASA 5500 Series CSC SSMs

Feature	Cisco ASA 5500 Series CSC-SSM-10	Cisco ASA 5500 Series CSC-SSM-20
Supported Platforms	• Cisco ASA 5510 • Cisco ASA 5520	• Cisco ASA 5510 • Cisco ASA 5520 • Cisco ASA 5540
Standard and Optional Features		
Standard User License	50 users	500 users
Standard Feature Set	Antivirus, antispyware, file blocking	
Optional User Upgrades (Total Users)	• 100 users • 250 users • 500 users	• 750 users • 1000 users
Optional Feature Upgrades	Plus License: Adds antispam, antiphishing, URL blocking and filtering, and content control	
Technical Specifications		
Memory	1 GB	2 GB
System Flash	256 MB	256 MB
Environmental Operating Ranges		
Operating		
Temperature	32 to 104ºF (0 to 40ºC)	
Relative Humidity	10 to 90 percent, noncondensing	
Nonoperating		
Temperature	-13 to 158ºF (-25 to 70ºC)	
Power consumption	90W maximum	
Physical Specifications		
Dimensions (H x W x D)	1.70 x 6.80 x 12.25 in. (4.32 x 17.27 x 31.12 cm)	
Weight (with Power Supply)	3.00 lb (1.36 kg)	
Regulatory and Standards Compliance		
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950	
Electromagnetic Compatibility (EMC)	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3	

Cisco ASA 5500 Series 4-Port Gigabit Ethernet Module

The Cisco ASA 5500 Series 4-Port Gigabit Ethernet SSM enables businesses to better segment network traffic into separate security zones, providing more granular security for their network environment. These zones can range from the Internet to internal corporate departments/sites to DMZs. This high-performance module supports both copper and optical connection options by including four 10/100/1000 copper RJ-45 ports and four SFP ports. Businesses can choose between copper or fiber ports, providing flexibility for data center, campus, or enterprise

edge connectivity. The module extends the I/O profile of the Cisco ASA 5500 Series to a total of five Fast Ethernet and four Gigabit Ethernet ports on the Cisco ASA 5510, and eight Gigabit Ethernet ports and one Fast Ethernet port on Cisco ASA 5520 and 5540 appliances (Table 13).

Table 13.   Characteristics of Cisco ASA 5500 Series 4-Port Gigabit Ethernet SSMs

Feature	Cisco ASA 5500 Series 4-Port GE SSM
Technical Specifications	
Integrated LAN Ports	Four 10/100/1000BASE-T
Integrated SFP Ports	Four (Gigabit Ethernet Optical SFP 1000BASE-SX or LX/LH transceiver supported)
Environmental Operating Ranges	
Operating	
Temperature	32 to 104ºF (0 to 40ºC)
Relative humidity	5 to 95 percent noncondensing
Nonoperating	
Temperature	-13 to 158ºF (-25 to 70ºC)
Power consumption	25W maximum
Physical Specifications	
Dimensions (H x W x D)	1.70 x 6.80 x 12.25 in. (4.32 x 17.27 x 31.12 cm)
Weight (with Power Supply)	2.00 lb (0.91 kg)
Regulatory and Standards Compliance	
Safety	UL 60950, CSA C22.2 No. 60950, EN 60950 IEC 60950, AS/NZS60950
Electromagnetic Compatibility (EMC)	CE marking, FCC Part 15 Class A, AS/NZS CISPR22 Class A, VCCI Class A, EN55022 Class A, CISPR22 Class A, EN61000-3-2, EN61000-3-3

Cisco ASA 5580 Security Appliance Interface Cards

Cisco ASA 5580 Adaptive Security Appliances are designed for ultimate interface flexibility and density, with six interface card expansion slots supporting up to 24 Gigabit Ethernet ports, twelve 10 Gigabit Ethernet ports, or combinations thereof. These exceptional interface densities enable advanced security applications, including full-mesh high availability, multiple DMZs, virtual firewalls, and managed security. Gigabit Ethernet interfaces are available in 4-port copper or fiber configurations and 10 Gigabit Ethernet is available in a 2-port fiber configuration. Gigabit Ethernet and 10 Gigabit Ethernet fiber interfaces feature integrated short-range optics (SR) and an LC connector (Table 14).

Table 14.   Characteristics of Cisco ASA 5580 Interface Cards

Feature	Cisco ASA 5580 4-Port Gigabit Ethernet Copper	Cisco ASA 5580 4-Port Gigabit Ethernet Fiber	Cisco ASA 5580 2-Port 10Gigabit Ethernet Fiber
Integrated 10/100/1000 Ports	4	0	0
Integrated 1000BASE-SX Ports	0	4 with integrated short range optics, LC connector	0
Integrated fiber 10 Gigabit Ethernet Ports	0	0	2 with integrated short range optics, LC connector

Feature	Cisco ASA 5580 4-Port Gigabit Ethernet Copper	Cisco ASA 5580 4-Port Gigabit Ethernet Fiber	Cisco ASA 5580 2-Port 10Gigabit Ethernet Fiber
Wiring Support	Category-5, unshielded twisted pair (UTP), 4-pair	Multimode fiber (62.5 μm or 50 μm)	Multimode fiber (62.5 μm or 50 μm)
Power Consumption	4.95W (3.3V @ 1.5A)	4.95W (3.3V @ 1.5A)	14W (12V @ 1.17A)
Physical Specifications			
Weight	Approximately 1 lb	Approximately 1 lb	Approximately 1 lb

Ordering Information

To place an order, visit the [Cisco Ordering Home Page.](#) Table 15 provides ordering information for the Cisco ASA 5500 Series.

Table 15.   Ordering Information

Product Name	Part Number
Cisco ASA 5500 Series Firewall Edition Bundles	
Cisco ASA 5505 10-User Bundle includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, Triple Data Encryption Standard/Advanced Encryption Standard (3DES/AES) license	ASA5505-BUN-K9
Cisco ASA 5505 10-User Bundle includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, Data Encryption Standard (DES) license	ASA5505-K8
Cisco ASA 5505 50-User Bundle includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5505-50-BUN-K9
Cisco ASA 5505 Unlimited-User Bundle includes 8-port Fast Ethernet switch, 10 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5505-UL-BUN-K9
Cisco ASA 5505 Unlimited-User Security Plus Bundle includes 8-port Fast Ethernet switch, 25 IPsec VPN peers, 2 Premium VPN peers, DMZ, stateless Active/Standby high availability, 3DES/AES license	ASA5505-SEC-BUN-K9
Cisco ASA 5510 Firewall Edition includes 5 Fast Ethernet interfaces, 250 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5510-BUN-K9
Cisco ASA 5510 Firewall Edition includes 5 Fast Ethernet interfaces, 250 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5510-K8
Cisco ASA 5510 Security Plus Firewall Edition includes 2 Gigabit Ethernet + 3 Fast Ethernet interfaces, 250 IPsec VPN peers, 2 Premium VPN peers, Active/Standby high availability, 3DES/AES license	ASA5510-SEC-BUN-K9
Cisco ASA 5520 Firewall Edition includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 750 IPsec VPN peers, 2 Premium VPN peers, Active/Active and Active/Standby high availability, 3DES/AES license	ASA5520-BUN-K9
Cisco ASA 5520 Firewall Edition includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 750 IPsec VPN peers, 2 Premium VPN peers, Active/Active and Active/Standby high availability, DES license	ASA5520-K8
Cisco ASA 5540 Firewall Edition includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 5000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5540-BUN-K9
Cisco ASA 5540 Firewall Edition includes 4 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 5000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5540-K8
Cisco ASA 5550 Firewall Edition includes 8 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 4 Gigabit SFP interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5550-BUN-K9
Cisco ASA 5550 Firewall Edition includes 8 Gigabit Ethernet interfaces + 1 Fast Ethernet interface, 4 Gigabit SFP interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5550-K8
Cisco ASA 5580-20 Firewall Edition includes 2 management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5580-20-BUN-K8
Cisco ASA 5580-20 Firewall Edition includes 2 management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5580-20-BUN-K9
Cisco ASA 5580-20 Firewall Edition 4 Gigabit Ethernet Bundle includes 4 Gigabit Ethernet interfaces, 2 management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5580-20-4GE-K9
Cisco ASA 5580-20 Firewall Edition 8 Gigabit Ethernet Bundle includes 8 Gigabit Ethernet interfaces, 2 management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5580-20-8GE-K9
Cisco ASA 5580-40 Firewall Edition includes 2 management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5580-40-BUN-K8
Cisco ASA 5580-40 Firewall Edition includes 2 management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5580-40-BUN-K9
Cisco ASA 5580-40 Firewall Edition 8 Gigabit Ethernet Bundle includes 8 Gigabit Ethernet interfaces, 2 management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5580-40-8GE-K9

Product Name	Part Number
Cisco ASA 5580-40 Firewall Edition 4, 10 Gigabit Ethernet Bundle includes 4, 10 Gigabit Ethernet interfaces; 2 management interfaces; 10,000 IPsec VPN peers; 2 Premium VPN peers; dual AC power; 3DES/AES license	ASA5580-40-10GE-K9
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 5500 Series IPS Edition Bundles	
Cisco ASA 5505 50-User Adaptive Security Appliance with AIP-SSC-5 (chassis, software, 8 Fast Ethernet interfaces,10 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license)	ASA5505-50-AIP5-K9
Cisco ASA 5505 Unlimited-User Adaptive Security Appliance with Security Plus License and AIP-SSC-5 (chassis, software, 8 Fast Ethernet interfaces, 25 IPsec VPN peers, 2 Premium VPN peers, DMZ support, stateless Active/Standby high availability, 3DES/AES license)	ASA5505-U-AIP5P-K9
Cisco ASA 5510 IPS Edition includes AIP-SSM-10, firewall services, 250 IPsec VPN peers, 2 Premium VPN peers, 5 Fast Ethernet interfaces	ASA5510-AIP10-K9
Cisco ASA 5510 Adaptive Security Appliance with Security Plus License and AIP-SSM-10 (chassis, software, 2 Gigabit Ethernet interfaces, 3 Fast Ethernet interfaces, 250 IPsec VPN peers, 2 Premium VPN peers, Active/Active high availability, 3DES/AES)	ASA5510-AIP10SP-K9
Cisco ASA 5510 Adaptive Security Appliance with Security Plus License and AIP-SSM-20 (chassis, software, 2 Gigabit Ethernet interfaces, 3 Fast Ethernet interfaces, 250 IPsec VPN peers, 2 Premium VPN peers, Active/Active high availability, 3DES/AES)	ASA5510-AIP20SP-K9
Cisco ASA 5520 IPS Edition includes AIP-SSM-10, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-AIP10-K9
Cisco ASA 5520 IPS Edition includes AIP-SSM-20, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-AIP20-K9
Cisco ASA 5520 IPS Edition includes AIP-SSM-40, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-AIP40-K9
Cisco ASA 5540 IPS Edition includes AIP-SSM-20, firewall services, 5000 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-AIP20-K9
Cisco ASA 5540 IPS Edition includes AIP-SSM-40, firewall services, 5000 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-AIP40-K9
Cisco ASA 5585-X IPS Edition SSP-10 IPS SSP-10 bundle includes firewall services, 16 Gigabit Ethernet interfaces, 4 Gigabit Ethernet SFP interfaces, 4 Gigabit Ethernet management interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5585-S10P10-K8
Cisco ASA 5585-X IPS Edition SSP-10 IPS SSP-10 bundle includes firewall services, 16 Gigabit Ethernet interfaces, 4 Gigabit Ethernet SFP interfaces, 4 Gigabit Ethernet management interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5585-S10P10-K9

Product Name	Part Number
Cisco ASA 5585-X Security Plus IPS Edition SSP-10 IPS SSP-10 bundle includes firewall services, 16 Gigabit Ethernet interfaces, 4 10 Gigabit Ethernet SFP+ interfaces, 4 Gigabit Ethernet management interfaces, 5000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S10P10XK9
Cisco ASA 5585-X IPS Edition SSP-20 IPS SSP-20 bundle includes firewall services, 16 Gigabit Ethernet interfaces, 4 Gigabit Ethernet SFP interfaces, 4 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, DES license	ASA5585-S20P20-K8
Cisco ASA 5585-X IPS Edition SSP-20 IPS SSP-20 bundle includes firewall services, 16 Gigabit Ethernet interfaces, 4 Gigabit Ethernet SFP interfaces, 4 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, 3DES/AES license	ASA5585-S20P20-K9
Cisco ASA 5585-X Security Plus IPS Edition SSP-20 IPS SSP-20 bundle includes firewall services, 16 Gigabit Ethernet interfaces, 4 10 Gigabit Ethernet SFP+ interfaces, 4 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S20P20XK9
Cisco ASA 5585-X IPS Edition SSP-40 IPS SSP-40 bundle includes firewall services, 12 Gigabit Ethernet interfaces, 8 10 Gigabit Ethernet SFP+ interfaces, 4 Gigabit Ethernet management interfaces, 10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, DES license	ASA5585-S40P40-K8
Cisco ASA 5585-X IPS Edition SSP-40 IPS SSP-40 bundle includes firewall services, 12 Gigabit Ethernet interfaces, 8 10 Gigabit Ethernet SFP+ interfaces, 4 Gigabit Ethernet management interfaces,10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S40P40-K9
Cisco ASA 5585-X IPS Edition SSP-60 IPS SSP-60 bundle includes firewall services, 12 Gigabit Ethernet interfaces, 8 10 Gigabit Ethernet SFP+ interfaces, 4 Gigabit Ethernet management interfaces,10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S60P60-K8
Cisco ASA 5585-X IPS Edition SSP-60 IPS SSP-60 bundle includes firewall services, 12 Gigabit Ethernet interfaces, 8 10 Gigabit Ethernet SFP+ interfaces, 4 Gigabit Ethernet management interfaces,10,000 IPsec VPN peers, 2 Premium VPN peers, dual AC power, 3DES/AES license	ASA5585-S60P60-K9
Cisco ASA 5500 Series Content Security Edition Bundles	
Cisco ASA 5510 Content Security Edition includes CSC-SSM-10, 50-user antivirus/antispyware with 1-year subscription, firewall services, 250 IPsec VPN peers, 2 Premium VPN peers, 3 Fast Ethernet interfaces	ASA5510-CSC10-K9
Cisco ASA 5510 Content Security Edition includes CSC-SSM-20, 500-user antivirus/antispyware with 1-year subscription, firewall services, 250 IPsec VPN peers, 2 Premium VPN peers, 3 Fast Ethernet interfaces	ASA5510-CSC20-K9
Cisco ASA 5520 Content Security Edition includes CSC-SSM-10, 50-user antivirus/antispyware with 1-year subscription, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-CSC10-K9
Cisco ASA 5520 Content Security Edition includes CSC-SSM-20, 500-user antivirus/antispyware with 1-year subscription, firewall services, 750 IPsec VPN peers, 2 Premium VPN peers, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-CSC20-K9
Cisco ASA 5500 Series SSL/IPsec VPN Edition Bundles	
Cisco ASA 5505 SSL/IPsec VPN Edition includes 10 IPsec VPN peers, 10 Premium VPN peers, 50 firewall users, 8-port Fast Ethernet switch	ASA5505-SSL10-K9
Cisco ASA 5505 SSL/IPsec VPN Edition includes 25 IPsec VPN peers, 25 Premium VPN peers, 50 firewall users, 8-port Fast Ethernet switch	ASA5505-SSL25-K9
Cisco ASA 5510 SSL/IPsec VPN Edition includes 250 IPsec VPN peers, 50 Premium VPN peers, firewall services, 3 Fast Ethernet interfaces	ASA5510-SSL50-K9
Cisco ASA 5510 SSL/IPsec VPN Edition includes 250 IPsec VPN peers, 100 Premium VPN 100 peers, firewall services, 3 Fast Ethernet interfaces	ASA5510-SSL100-K9
Cisco ASA 5510 SSL/IPsec VPN Edition includes 250 IPsec VPN peers, 250 Premium VPN peers, firewall services, 3 Fast Ethernet interfaces	ASA5510-SSL250-K9
Cisco ASA 5520 SSL/IPsec VPN Edition includes 750 IPsec VPN peers, 500 Premium VPN peers, firewall services, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5520-SSL500-K9
Cisco ASA 5540 SSL/IPsec VPN Edition includes 5000 IPsec VPN peers, 1000 Premium VPN peers, firewall services, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-SSL1000-K9
Cisco ASA 5540 SSL/IPsec VPN Edition includes 5000 IPsec VPN peers, 2500 Premium VPN peers, firewall services, 4 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5540-SSL2500-K9
Cisco ASA 5550 SSL/IPsec VPN Edition includes 5000 IPsec VPN peers, 2500 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5550-SSL2500-K9
Cisco ASA 5550 SSL/IPsec VPN Edition includes 5000 IPsec VPN peers, 5000 Premium VPN peers, firewall services, 8 Gigabit Ethernet interfaces, 1 Fast Ethernet interface	ASA5550-SSL5000-K9
Cisco ASA 5580 SSL/IPsec VPN Edition includes 10,000 IPsec VPN peers, 10,000 Premium VPN peers, firewall services, 4 Gigabit Ethernet interfaces, 2 management interfaces, dual AC power, 3DES/AES license	ASA5580-20-10K-K9
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

Product Name	Part Number
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 5500 Series Firewall IPS VPN Premium Bundles	
Cisco ASA 5585-X Integrated Edition SSP-10 IPS SSP-10 Bundle with firewall services, IPS services, 5,000 IPsec VPN peers, 5,000 Premium VPN peers, 16 Gigabit Ethernet interfaces, 4 Gigabit Ethernet SFP interfaces, 4 management interfaces, 3DES/AES license	ASA5585-S10P10SK9
Cisco ASA 5585-X Integrated Edition SSP-20 IPS SSP-20 Bundle with firewall services, IPS services, 10,000 IPsec VPN peers, 10,000 Premium VPN peers, 16 Gigabit Ethernet interfaces, 4 Gigabit Ethernet SFP interfaces, 4 management interfaces, 3DES/AES license	ASA5585-S20P20SK9
Cisco ASA 5585-X Integrated Edition SSP-40 IPS SSP-40 Bundle with firewall services, IPS services, 10,000 IPsec VPN peers, 10,000 Premium VPN peers, 12 Gigabit Ethernet interfaces, 8 10 Gigabit Ethernet SFP+ interfaces, 4 management interfaces, 3DES/AES license	ASA5585-S40P40SK9
Cisco ASA 5585-X Integrated Edition SSP-60 IPS SSP-60 Bundle with firewall services, IPS services, 10,000 IPsec VPN peers, 10,000 Premium VPN peers, 12 Gigabit Ethernet interfaces, 8 10 Gigabit Ethernet SFP+ interfaces, 4 management interfaces, 3DES/AES license	ASA5585-S60P60SK9
Security Services Modules	
Cisco ASA 5500 Series Advanced Inspection and Prevention Security Services Card 5 (AIP SSC-5)	ASA-SSC-AIP-5-K9=
Cisco ASA Advanced Inspection and Prevention Security Services Module 10 (AIP SSM-10)	ASA-SSM-AIP-10-K9=
Cisco ASA Advanced Inspection and Prevention Security Services Module 20 (AIP SSM-20)	ASA-SSM-AIP-20-K9=
Cisco ASA 5500 Series Advanced Inspection and Prevention Security Services Module 40 (AIP-SSM-40)	ASA-SSM-AIP-40-K9=
Cisco ASA Content Security and Control Security Services Module 10 (CSC SSM-10) with 50-user antivirus/antispyware, 1-year subscription	ASA-SSM-CSC-10-K9=
Cisco ASA Content Security and Control Security Services Module 20 (CSC SSM-20)with 500-user antivirus/antispyware, 1-year subscription	ASA-SSM-CSC-20-K9=
Cisco ASA 4-Port Gigabit Ethernet Security Services Module	SSM-4GE=
Cisco ASA 5580 Series Interface Expansion Cards	
Cisco ASA 5580 4-port 10/100/1000 Ethernet interface card, RJ-45	ASA5580-4GE-CU=
Cisco ASA 5580 4-port Gigabit Ethernet fiber interface card, SR, LC	ASA5580-4GE-FI=
Cisco ASA 5580 2-port 10 Gigabit Ethernet fiber interface card, SR, LC	ASA5580-2X10GE-SR=
Cisco ASA 5585-X Security Services Processors and IPS 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 IPS Security Services Processor-10 (SSP-10)	ASA-SSP-IPS10-K9=
Cisco ASA 5585-X IPS Security Services Processor-20 (SSP-20)	ASA-SSP-IPS20-K9=
Cisco ASA 5585-X IPS Security Services Processor-40 (SSP-40)	ASA-SSP-IPS40-K9=
Cisco ASA 5585-X IPS Security Services Processor-60 (SSP-60)	ASA-SSP-IPS60-K9=
Cisco ASA 5500 Series Software	
Cisco ASA Software one-time upgrade for nonsupport customers	ASA-SW-UPGRADE=
Cisco ASA 5500 Series Accessories	
Cisco ASA 5500 Series compact flash, 256 MB	ASA5500-CF-256MB=
Cisco ASA 5500 Series compact flash, 512 MB	ASA5500-CF-512MB=
Cisco ASA 180W AC power supply	ASA-180W-PWR-AC=
Gigabit Ethernet optical SFP connector, 1000BASE-SX short-wavelength transceiver	GLC-SX-MM=
Gigabit Ethernet optical SFP connector, 1000BASE-LX/LH long-wavelength/long-haul transceiver	GLC-LH-SM=
Cisco ASA 5580 Spare AC Power Supply	ASA5580-PWR-AC=

Product Name	Part Number
Cisco ASA 5580 Spare Rail Kit	ASA5580-RAILS=

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- Cisco Security Services: http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv_group_home.html.
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