

Cisco ASA 5505 Adaptive Security Appliance for Small Office or Branch Locations

Your small offices or branch locations require the best network security available. An integrated solution that is easy to deploy and manage improves IT efficiency. Affordable pricing and the ability to scale as necessary are other important product benefits. You get all that and more with the Cisco® ASA 5505 Adaptive Security Appliance Firewalls. These firewalls are used and trusted by small and midsize businesses with one or a few locations.

Enterprise class security. Cisco MultiScale® performance. The ability to deliver multiple security services at scale. Unprecedented services flexibility. Modular scalability. Feature extensibility. Lower deployment and operational costs. All of these features and benefits add up to tremendous value in the Cisco ASA 5505 Adaptive Security Appliance. Available models deliver the same proven level of security that protects the networks of some of the largest and most security-conscious companies in the world.

Product Overview

The Cisco ASA 5505 is a full-featured firewall for small business, branch, and enterprise teleworker environments. It delivers high-performance firewall, SSL and IPsec VPN, and rich networking services in a modular, immediately operational appliance. Using the integrated graphical Cisco Adaptive Security Device Manager (ASDM), the Cisco ASA 5505 can be rapidly deployed and easily managed, helping businesses reduce operational costs. It 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 highly secure zero-touch voice over IP (VoIP) capabilities and 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 Advanced Inspection and Prevention Security Services Card (AIP SSC). Multiple USB ports can be used to implement additional services and capabilities, as needed.

As your business needs grow, you can install a Security Plus upgrade license. The Cisco ASA 5505 can then scale to support a higher site to site VPN connection capacity of 25 IPsec VPN connections, add full DMZ support, and integrate into switched network environments through VLAN trunking support. This upgrade license improves business continuity by helping to enable 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 the Cisco AnyConnect client and clientless VPN remote access to support various mobile workers and business partners. Cisco secure remote access solution deployments can scale to serve up to 25 Cisco AnyConnect or clientless VPN concurrent users on each Cisco ASA 5505. Licenses for AnyConnect are purchased separately from the ASA based on feature tier (Plus/Apex) unique/authorized user count and term. The Apex tier also supports clientless SSL VPN connectivity.

Additional information can be found in the AnyConnect ordering guide.
<http://www.cisco.com/c/dam/en/us/products/security/anyconnect-og.pdf>.

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, or enterprise teleworker security solution.

Table 1 lists the features and capacities of the Cisco ASA 5505 Adaptive Security Appliance for small offices and branch locations.

Table 1. Cisco ASA 5505 Features

Feature	Cisco ASA 5505; Security Plus
Stateful inspection throughput (maximum ¹)	Up to 150 Mbps
IPS throughput ²	Up to 75 Mbps with AIP-SSC-5
Maximum 3DES/AES VPN Throughput ³	Up to 100 Mbps
Users or nodes	Unlimited
Maximum Site-to-Site and IPsec IKEv1 Client VPN User Sessions ³	10/25 (requires Security Plus license)
Maximum Cisco AnyConnect [®] or Clientless VPN User Sessions ⁴	25 (Requires AnyConnect Plus/Apex license. Apex license required for clientless VPN)
Cisco Cloud Web Security users	25
Concurrent connections	10,000; 25,000*
New connections per second	4000
Virtual interfaces (VLANs)	3 (trunking disabled)/ 20 (trunking enabled) ¹
Security contexts (included/maximum) ⁴	Not available
High availability	Not supported ¹
Expansion slot	1 SSC
USB 2.0 ports	3 (1 on front, 2 on rear)
Integrated I/O	8 Fast Ethernet with 2 PoE ports
Serial ports	1 RJ-45 console
Memory	512 MB
Minimum system flash	128 MB
System bus	Multibus architecture
Temperature	32 to 104°F (0 to 40°C)
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) 1/2 sine input
Vibration	0.41 Grms2 (3 to 500 Hz) random input
Acoustic noise	60 dBA max
Temperature	-13 to 158°F (-25 to 70°C)
Relative humidity	5 to 95 percent noncondensing
Altitude	0 to 15,000 ft (4570m)
Shock	30G
Vibration	0.41 Grms2 (3 to 500 Hz) random input
AC range line voltage	100 to 240 VAC
AC normal line voltage	100 to 240 VAC

Feature	Cisco ASA 5505; Security Plus
AC current	1.8A
AC frequency	50/60 Hz
Dual-power supplies	None
DC domestic line voltage	See the ASA 5500 Series Hardware Installation Guide
DC international line voltage	See the ASA 5500 Series Hardware Installation Guide
DC current	See the ASA 5500 Series Hardware Installation Guide
Steady state	20W
Maximum peak	96W
Maximum heat dissipation	72 BTU/hr
Form factor	Desktop
Dimensions (HxW x D)	1.75 x 7.89 x 6.87 in. (4.45x 20.04 x 17.45 cm)
Weight (with AC power supply)	4.0 lb (1.8 kg)
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
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

¹ Maximum throughput measured with UDP traffic under ideal conditions.

² Firewall traffic that does not go through the IPS service can have higher throughput.

³ VPN throughput and maximum sessions 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 users may be further limited by your throughput requirements.

⁴ AnyConnect licenses required. See the AnyConnect Ordering Guide for details. Maximum users may be further limited by your throughput requirements.

Ordering Information

To place an order, visit the [Cisco Ordering Home Page](#). Table 2 provides ordering information for the Cisco ASA 5505 Adaptive Security Appliance Firewalls.

Table 2. Ordering Information

Product Name	Part Number
Cisco ASA 5500 Series 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

Product Name	Part Number
Cisco ASA 5500 Series IPS Edition Bundles	
Cisco ASA 5505 50-User IPS Edition; includes 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 IPS Edition; includes 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
Security Services Modules	
Cisco ASA 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 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 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 5512-X through 5555-X 120 GB MLC SED SSD	ASA5500X-SSD120=
Cisco ASA 5500 Series compact flash, 512 MB	ASA5500-CF-512MB=

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, optimize 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[®] Service, Cisco Service Provider Base, and Cisco Services for IPS. These services are suitable for enterprise, commercial, and service provider customers.

The Cisco Security IntelliShield Alert Manager Service provides a customizable, web-based threat and vulnerability alert service that 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 IPS capabilities. Cisco SMARTnet and Service Provider Base support other products in this family.

For More Information

For more information, please visit the following links:

- Cisco ASA5505:
<http://www.cisco.com/c/en/us/support/security/asa-5505-adaptive-security-appliance/model.html>
- Cisco Adaptive Security Device Manager:
<http://www.cisco.com/go/asdm>
- Cisco Security Services:
http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv_group_home.html
- Cisco ASA 5500 Series and ASA 5500-X Series Licensing Information:
http://www.cisco.com/en/US/products/ps6120/products_licensing_information_listing.html
- Cisco AnyConnect Secure Mobility Client:
<http://www.cisco.com/go/anyconnect>
- Cisco AnyConnect Ordering Guide:
<http://www.cisco.com/c/dam/en/us/products/security/anyconnect-og.pdf>



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