

# Cisco SA500 Series Security Appliances

An All-in-One UTM Security Solution for Small Businesses

For  
Small  
Business



## Product Description

Cisco® SA500 Series Security Appliances, part of the Cisco Small Business Series, are all-in-one unified threat management (UTM) security solutions for small businesses. Combining firewall, VPN, and optional IPS and email and content security capabilities, the Cisco SA500 Series gives small businesses the confidence of knowing that they are protected.

## Base Hardware Appliances

**Cisco SA520:** 200 Mbps firewall throughput; 65 Mbps IPsec VPN throughput; 15,000 connections; 50 IPsec VPN tunnels and 2 SSL VPN seats (upgradable to 25); Gigabit Ethernet ports: 1 WAN, 4 or 8 LAN, and 1 optional DMZ/LAN/WAN

**Cisco SA520W with wireless:** All features of the SA520, plus wireless 802.11b/g/n networking

**Cisco SA540 with high performance:** 300 Mbps firewall throughput; 85 Mbps IPsec VPN throughput; 40,000 connections; 100 IPsec VPN tunnels and 50 SSL VPN seats; Gigabit Ethernet ports: 1 WAN, 8 LAN, and 1 optional DMZ/LAN/WAN port

## Bundle Solutions

Each of the Cisco SA500 Series base hardware appliances is available as part of the following bundles (Table 1):

### SA500 UTM Web Bundle with IPS and ProtectLink Web

This bundle adds three-year licenses for intrusion prevention (IPS) and Cisco ProtectLink Web. IPS protects against threats, including worms, hackers, and protocol violations. It also enables control of instant messaging (IM) and peer-to-peer traffic.

Cisco ProtectLink Web is a hosted service that helps protect businesses from malware by blocking access to dangerous websites. It also provides web filtering to block access to inappropriate content, helping increase employee productivity.

It offers fully customizable web filtering with more than 80 URL categories and the option of time-of-day and day-of-week-based policies.

### SA500 UTM Email Bundle with IPS and ProtectLink Gateway

This bundle provides the same features included in the Web bundle, plus three years of full-featured email security, including antispam, antivirus, antiphishing, and antispyware. Cisco ProtectLink Gateway is a hosted service that scans emails for more than 3 million viruses and 400,000 spyware attacks before they reach the company network. It also provides a quarantine for blocked emails. Available for protecting 25 or 100 email addresses.

Table 1. Cisco SA500 Series Base Hardware and Bundles

| SA520                                                                                                          |                                                        | SA520W with Wireless                                   | SA540 with High Performance                        |
|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------|
| SKUs                                                                                                           |                                                        |                                                        |                                                    |
| Base hardware (Firewall/VPN)                                                                                   | SA520-K9                                               | SA520W-K9                                              | SA540-K9                                           |
| Web Bundle with IPS and ProtectLink Web (3 years)<br>- IPS<br>- Web filtering<br>- Web threat protection       | SA520-WEB-BUN3-K9                                      | SA520W-WEB-BUN3-K9                                     | SA540-WEB-BUN3-K9                                  |
| Email Bundle with IPS and ProtectLink Gateway (3 years)<br>- IPS<br>- Web filtering<br>- Web threat protection | 25 email addresses                                     | SA520W-GW25BUN3-K9                                     | SA540-GW25-BUN3-K9                                 |
| - Antivirus, antispam, antispyware, antiphishing                                                               |                                                        |                                                        |                                                    |
|                                                                                                                | 100 email addresses                                    | SA520W-GW100BUN3-K9                                    | SA540-GW100BUN3-K9                                 |
| Key Specifications                                                                                             |                                                        |                                                        |                                                    |
| Firewall performance*                                                                                          | 200 Mbps                                               | 200 Mbps                                               | 300 Mbps                                           |
| Email/web performance*                                                                                         | 200 Mbps                                               | 200 Mbps                                               | 300 Mbps                                           |
| VPN performance*                                                                                               | 65 Mbps                                                | 65 Mbps                                                | 85 Mbps                                            |
| Connections                                                                                                    | 15,000                                                 | 15,000                                                 | 40,000                                             |
| Ports                                                                                                          | 1 WAN<br>1 LAN/WAN/DMZ<br>4 LAN<br>All 10/100/1000     | 1 WAN<br>1 LAN/WAN/DMZ<br>4 LAN<br>All 10/100/1000     | 1 WAN<br>1 LAN/WAN/DMZ<br>8 LAN<br>All 10/100/1000 |
| Wireless (802.11b/g/n)                                                                                         | No                                                     | Yes                                                    | No                                                 |
| Cisco client VPN                                                                                               | Yes                                                    | Yes                                                    | Yes                                                |
| IPsec site-to-site VPN                                                                                         | Yes                                                    | Yes                                                    | Yes                                                |
| IPsec remote access VPN                                                                                        | 50 seats                                               | 50 seats                                               | 100 seats                                          |
| SSL remote access VPN                                                                                          | 2 seats included, optional license upgrade to 25 seats | 2 seats included, optional license upgrade to 25 seats | 50 seats included                                  |

\*Performance test methodology: Maximum performance based on RFC 2544. All results are aggregate bidirectional. Actual performance may vary depending upon network environment and configuration.

## Key Features and Benefits

- Built-in stateful packet inspection firewall and IPS provide business-grade protection from unwanted visitors, unwanted traffic, and malicious attacks.
- Demilitarized zone (DMZ) safely hosts file, web, and other Internet-accessible servers without exposing the business's internal LAN network to threats.
- Email and web security via Cisco ProtectLink products provide full-strength, up-to-date protection at full speed. Powered by Trend Micro, all processing happens using a cloud-based system, reducing demand on Internet bandwidth and internal network and server resources.
- Award-winning antivirus, antispyware, antispam, and antiphishing technology uses eight different inspection techniques to evaluate the sender's IP address and also to scan email content, detecting more than 3 million different virus patterns and more than 400,000 spyware patterns.
- Web and URL filtering blocks known malicious websites while limiting employee Internet access to only appropriate or work-related websites.
- Built-in VPN capabilities support IP Security (IPsec) or Secure Sockets Layer (SSL) encrypted network traffic, providing remote connections for on-the-go users, branch offices, and telecommuting employees.



# Cisco SA500 Series Security Appliances

At-A-Glance

## Key Features and Benefits *(continued)*

- Wireless connections are secured with high-encryption Wi-Fi Protected Access (WPA2) and support for 802.1X authentication (Cisco SA 520W model only).
- Gigabit Ethernet on all ports provides maximum network performance.
- A built-in web-based configuration utility simplifies configuration and management, or the appliance can be launched from Cisco Configuration Assistant.
- Integrated quality of service (QoS) intelligence enhances the performance of delay-sensitive applications such as voice and video.
- Easy integration with other Cisco Small Business products provides a foundation for a complete data, voice, video, and wireless solution.
- Optional VeriSign Identity Protection (VIP) service provides two-factor authentication and one-time-use password access with no additional authentication equipment.
- Cisco Small Business Support Service provides 3-year peace of mind through device-level coverage, including extended access to the Cisco Small Business Support Center and Support Community, software updates, and next-business-day hardware replacement, should that be necessary.

## Target Customers

Cisco SA500 Series Security Appliances are designed for:

- Small businesses with fewer than 100 employees
- Businesses with small office/home office (SOHO) class routers with basic firewall capabilities that would benefit from moving up to a security appliance with all-in-one capabilities
- Businesses that are concerned about spam and viruses
- Businesses seeking to improve employee productivity by controlling access to inappropriate or non-business-related web sites
- Businesses that need remote access (remote VPN) to enable employees, partners, and contractors to easily connect to the business network

## Competitive Information

Cisco stands apart from the competition in the small business networking market as the only vendor that can provide a complete networking solution that includes switching, routing, unified communications, wireless, and security—all of which can be configured and managed through a single interface. Table 2 shows key competitors and comparable competitor models.

**Table 2. Key Competitors and Comparable Competitor Models**

| Competitor | Models                                         | Cisco Advantage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SonicWALL  | TZ 100, TZ 200, TZ 210 with TotalSecure Bundle | <ul style="list-style-type: none"><li>• Comprehensive portfolio of network products for small businesses. With Cisco, a single vendor provides training, support, and escalation.</li><li>• Support for SSL VPN connections, enabling easy deployment and use of VeriSign VIP two-factor authentication for numerous users.</li><li>• Cloud-based antivirus/antispyware protection, with more than 3 million virus signatures and more than 400,000 spyware signatures.</li><li>• Eight different antispam technologies, inspecting not just IP addresses but also email content to improve accuracy.</li><li>• URL content filtering for ongoing URL blocking in more than 80 categories.</li><li>• Web threat protection to best protect against dangerous websites.</li><li>• Simple configuration and management with a built-in device GUI and Cisco Configuration Assistant.</li><li>• Easy integration with other Cisco Small Business Series products.</li><li>• Cisco customer service and support.</li></ul> |
| WatchGuard | Firebox Edge with subscription offerings       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Fortinet   | FortiGate and FortiWiFi                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

To build a customized solution, renew an expired license, or add to a bundle, consider the options in Table 3.

**Table 3. Cisco SA500 Options**

| Part Number                              | Description                                                                                                    |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>SSL VPN – Additional Seats</b>        |                                                                                                                |
| L-FL-SSL-SA520-K9=                       | SSL VPN license for SA520 and SA520W Security Appliances to extend SSL VPN from 2 to 25 max, one-time purchase |
| <b>Intrusion Prevention System (IPS)</b> |                                                                                                                |
| L-SA500-IPS-1YR=                         | IPS license for SA500 Series Security Appliances for 1 year                                                    |
| L-SA500-IPS-3YR=                         | IPS license for SA500 Series Security Appliances for 3 years                                                   |
| <b>Web Threat Protection</b>             |                                                                                                                |
| L-PL-WEB-1=                              | ProtectLink Web license for unlimited web threat and web filtering for 1 year                                  |
| L-PL-WEB-3=                              | ProtectLink Web license for unlimited web threat and web filtering for 3 years                                 |
| <b>Email and Web Threat Protection</b>   |                                                                                                                |
| L-PL-GW-25MAX-1=                         | ProtectLink Gateway license for unlimited web threat, web filtering, and 25 max email users for 1 year         |
| L-PL-GW-25MAX-3=                         | ProtectLink Gateway license for unlimited web threat, web filtering, and 25 max email users for 3 years        |
| L-PL-GW-100MAX-1=                        | ProtectLink Gateway license for unlimited web threat, web filtering, and 100 max email users for 1 year        |
| L-PL-GW-100MAX-3=                        | ProtectLink Gateway license for unlimited web threat, web filtering, and 100 max email users for 3 years       |
| <b>Endpoint Protection</b>               |                                                                                                                |
| L-PLEP-5=                                | ProtectLink Endpoint incremental 5-seat license for 1 year                                                     |
| L-PLEP-5-3YR=                            | ProtectLink Endpoint incremental 5-seat license for 3 years                                                    |
| L-PLEP-25=                               | ProtectLink Endpoint incremental 25-seat license for 1 year                                                    |
| L-PLEP-25-3YR=                           | ProtectLink Endpoint incremental 25-seat license for 3 years                                                   |
| <b>Service</b>                           |                                                                                                                |
| CON-SBS-SV2                              | Cisco Small Business Support Service, 3 years                                                                  |

## For More Information

For more information about the Cisco SA500 Series Security Appliances, visit [www.cisco.com/go/sa500](http://www.cisco.com/go/sa500) or contact your local Cisco provider.

**Figure 1. Cisco SA500 Series Security Appliances**

