Symantec™
by Broadcom Software

PRODUCT BRIEF

PROBLEM

Security organizations have demanding performance requirements for their SWG solutions. These solutions must deliver effective protection of all their web traffic.

SOLUTION

Symantec SWG Appliances optimize delivery and performance of Symantec Proxy and file inspection solutions.

BENEFITS

• Runs industry leading Symantec Proxy and SWG applications.

• Highly scalable complete hardware solution.

• Up to eight times the computing performance for each rack unit compared to previous Symantec ProxySG appliances.

• Compact one-unit rack appliance for data center efficiencies.

• Flexible and portable licensing to migrate to the cloud.

Secure Web Gateway Appliances
## Demanding Security Demands High Performance

Overview

In today's competitive landscape, you can not afford anything that slows down your ability to deliver comprehensive security. You need to implement web security technology that meets your needs to stay ahead of constantly evolving, advanced threats to your data center, remote locations, or private cloud environments. With a growing number of threats hiding in encrypted traffic, all web traffic needs to be visible and inspected for threats. This means many organizations will need to refactor their security solutions to accommodate higher compute workloads because 90%+ of traffic is now encrypted. Your environment demands highly scalable solutions to protect your users from costly cyber threats, whether they are on the network, on the web, or in the cloud, while ensuring the optimal performance of your business-critical applications. The Secure Web Gateway (SWG) solution from Symantec® delivers truly scalable, high-performance hardware in a compact footprint. More than 70% of the Fortune 500 companies effectively run the world's most trusted proxy-based Secure Web Gateway.

Built for Threat Protection

SWG Appliances are optimized to run Symantec Proxy and Content Analysis, which offers comprehensive threat protection as a critical foundation of enterprise security. Symantec Proxy delivers a broad feature-set that protects your enterprise from the increasingly sophisticated and high-volume threats in your web traffic. Sitting between users and their interactions with the Internet, it inspects content to identify malicious sites and activity and then acts to filter, strip, block, or replace web content to mitigate risks and to prevent data loss.

Figure 1: Symantec Secure Web Gateway Appliances deliver unmatched performance in a compact footprint (model SSP-S410 shown).

Secure Web Gateway Appliances
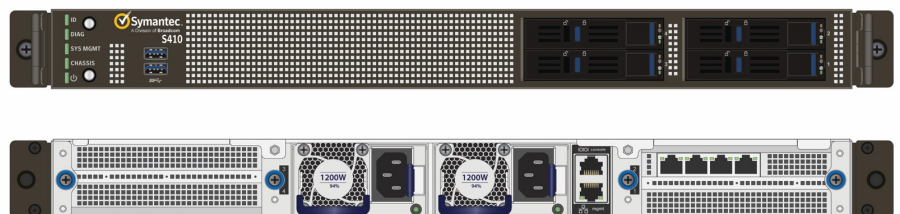
An Industry-Leading SWG Solution

With high-performance SWG appliances from Symantec, you can deploy a truly scalable proxy-based security solution to protect your organization against advanced threats. Symantec is an industry leader, delivering SWG solutions that offer the following crucial features.

- A critical termination point, to stop inbound threats from advancing throughout the organization, and prevent outbound data loss of sensitive information

- Visibility into encrypted traffic for threat and information protection, provided by properly adhering to the latest encryption ciphers

- The world's largest civilian threat intelligence dataset through the Symantec Global Intelligence Network

- Immediate protection with the broadest advanced threat integrations across the Industry

- Advanced Web Isolation integrations to protect against unknown threats, without compromising user experience

- Direct cloud application visibility and real-time controls

- A delivery model that scales to your needs for environments that are on-premises, in your private cloud, as a hosted SWG service, or any hybrid combination—all with the same license

- Unmatched performance and reliability

Security Enforcement Anywhere

While most organizations have deployed the industry-leading SWG solution from Symantec to their dedicated, on-premises appliances, moving security to the cloud is still a major objective. In addition to high performance physical appliances, SWG solutions can be delivered as virtual appliances (SG–VA), private cloud, or as a cloud-hosted, SaaS solution (Web Security Service) to meet the unique security needs of any organization.
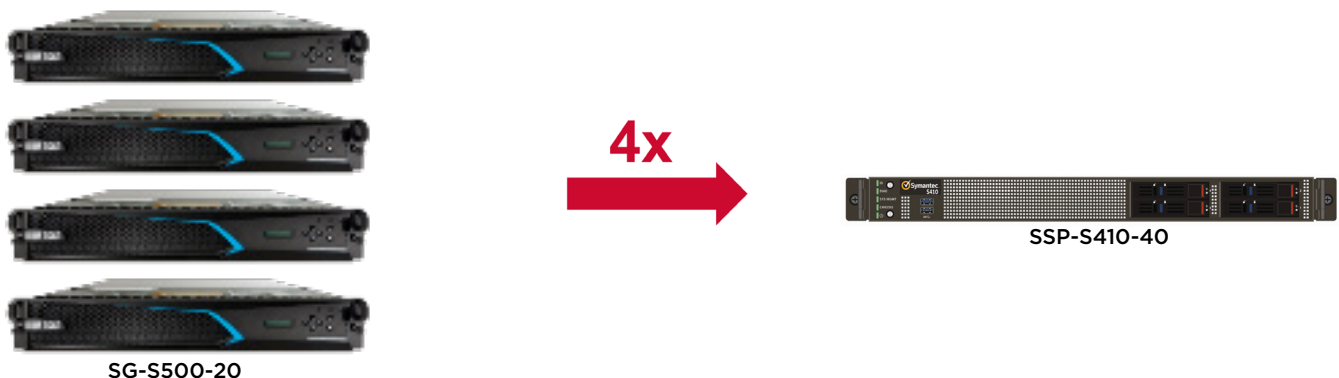
Universal Policy Enforcement

Organizations with mature and optimized security practices have well-established and clear acceptable-use policies and web inspection protocols. Universal Policy Enforcement (UPE) from Symantec allows organizations to enforce acceptable web use policies for employees who connect through an on-premises proxy appliance or the Web Security Service (cloud security). Symantec allows you to centralize your policy creation, maintenance, and installation for simplified, unified administration.

Unmatched Performance and Reliability

Symantec SWG appliances provide scalable throughput for high availability deployments. The hardware platforms are built for fast, efficient processing, running year after year at performance levels beyond the competition. Health checks and monitoring provide administrator awareness, and Symantec Management Center enables centralized device, license, and policy management. These purpose-built appliances provide scalability and overall lower total cost of ownership than alternative solutions.

A Small Footprint Means Cost Savings

While previous SWG Gateway appliances have provided high-performance in a relatively small footprint, these latest appliances offer significantly higher performance in a much smaller footprint. The new SSP appliance models require only one unit of rack space compared to two units for the previous models. The highest performing SSP appliance (SSP-S410-40) delivers the same computing performance as four SG-S500-20 appliances. That's an eight-times increase in performance for each rack unit (Figure 2). Appliance consolidation provides a significant cost savings in management, power, cooling, and space requirements.

Figure 2: SSP-S410-40 offers eight times the performance for each unit of rack space.

SG-S500-20

4x

SSP-S410-40

Secure Web Gateway Appliances

Secure Web Gateway Appliances	SSP-S210-10	SSP-S410-20B	SSP-S410-40B
Platform Specifications			
System			
CPU	1x16 core 2.0 GHz C3958 Atom	2x10 core 2.2 GHz 4210 Cascade Lake	2x20 core 2.1 GHz 6230 Cascade Lake
Memory	64 GB (DDR4 SDRAM)	96 GB (DDR4 SDRAM)	384 GB (DDR4 SDRAM)
Storage SSD	2 x 960 GB	2 x 960 GB	2 x 1.9 TB
Boot Drive (SATA)	2 x 64 GB	2 x 64 GB	2 x 64 GB
Power Supply	2 x 300W	2 x 1200W	2 x 1200W
Network Interface – Data	4-port 1GbE Copper	2 X 2-port 10GbE Copper	2 X 2-port 10GbE Copper
Network Interface – Management	1GbE Copper	1GbE Copper	1GbE Copper
Optional Network Interface Cards	Quad Port 10GbE Copper (with bypass capability), Quad Port 1GbE Copper (with bypass capability), Quad Port 10GbE Fiber (LC, with bypass capability), Dual Port 10/25GbE Copper.		
Rack Specifications			
Shipping Dimensions and Weight			
Width	580 mm/22.83 in.	610 mm/24.01 in.	610 mm/24.01 in.
Overall Depth	925 mm/36.42 in.	995 mm/39.17 in.	995 mm/39.17 in.
Height (on pallet)	245 mm/9.65 in.	290 mm/11.41 in.	290 mm/11.41 in.
Shipping Weight (pounds)	~17.8 kg/38.14 lb	~26 kg/57 lb	~26 kg/57 lb
Appliance Dimensions and Weight			
Width	438 mm/17.24 in.	483 mm/19.01 in.	483 mm/19.01 in.
Overall Depth	471 mm/18.55 in.	826.8 mm/32.55 in.	826.8 mm/32.55 in.
Height (one rack unit (RU) with casters)	43.5 mm/1.71 in.	43.5 mm/1.71 in.	43.5 mm/1.71 in.
Appliance Weight	~9.02 kg/19.88 lb	~22 kg/48.5 lb	~22 kg/48.5 lb
Operating Environment			
Main Input Power – PDU	Dual 100–240 VAC, ~/4A, 50–60 Hz	Dual 100–240 VAC, 7.08A, 47–63 Hz	
Facility Power Interface	Type B, 5-15R, 120 VAC		
Power	300W (MAX)	1200W (MAX)	1200W (MAX)
Thermal Rating (Maximum)	1025 BTU	4096 BTU	4096 BTU
Operating Temperature (Celsius)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Non-Operating Temperature	–20°C to 70°C (–4°F to 158°F)	–40°C to 70°C (–40°F to 158°F)	–40°C to 70°C (–40°F to 158°F)
Operating Relative Humidity	20% to 95% RH	20% to 85% RH	20% to 85% RH
Non-Operating Relative Humidity	10% to 95% RH	10% to 85% RH	10% to 85% RH
Operating Altitude	3K Meters	3K Meters	3K Meters
Non-Operating Altitude	12K Meters	12K Meters	12K Meters