

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, Content Analysis, SSL Visibility, and Management Center 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

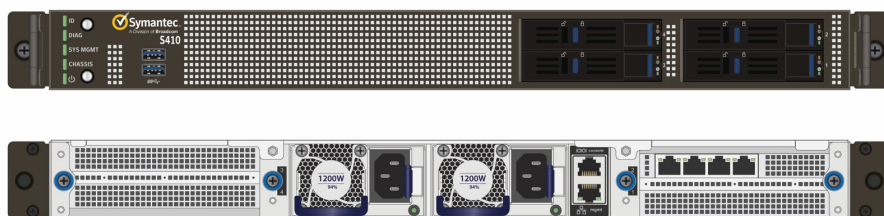
Overview

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 95%+ 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. Fortune 500 companies with the most stringent security requirements rely on the world's most trusted proxy-based SWG from Symantec.

Built for Threat Protection

SWG Appliances are optimized to run Symantec Proxy, Content Analysis, SSL Visibility, and Management Center, which together offer 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)



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 (ISG-PR, ISG-MC, ISG-CAS), private cloud, or as a cloud-hosted, SaaS solution (Symantec Cloud SWG) 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 appliance (SSP-620-10) is designed to achieve up to 1.75x the aggregated performance of the SSP-S410-40B model. With these high-performing appliances, customers can consolidate their environment for significant cost savings in management, power, cooling, and space requirements.

Secure Web Gateway Appliance Specifications

Feature	SSP-S210-10	SSP-S410-20B	SSP-S410-40B	SSP-S620-10
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	2 x 32 Core, total 128 Virtual Cores, 2.1 GHz, Intel Emerald Rapids 6538N
Memory	64 GB (DDR4 SDRAM)	96 GB (DDR4 SDRAM)	384 GB (DDR4 SDRAM)	1 TB (DDR5 DRAM)
Storage SSD	2 x 960 GB	2 x 960 GB	2 x 1.9 TB	4 x 3.84TB U.2 NVMe SSD
Boot Drive (SATA)	2 x 64 GB	2 x 64 GB	2 x 64 GB	2 x 128GB M.2 NVMe SSD
Power Supply	2 x 300W	2 x 1200W	2 x 1200W	2 x 1200W 90v - 240v AC
Network Interface: Data	4-port 1GbE Copper bypass	2 x 2-port 10GbE Copper	2 x 2-port 10GbE Copper	Optional NICs purchased separately
Network Interface: Management	Mgmt: 1 x 1GbE Copper Aux: 1 x1GbE Copper	1GbE Copper	1GbE Copper	1x 1GbE Copper
Optional Network Interface Cards	PCIe NIC form factors are supported on all platforms: Quad Port 1GbE Copper (with bypass capability), Quad Port 10GbE Copper (with bypass capability), Quad Port 10GbE Fiber (Short Reach LC, with bypass capability), Dual Port 10GbE Copper non-bypass, Dual Port 10/25GbE Fiber non-bypass, Quad Port 10/25GbE Fiber non-bypass, Dual Port 100GbE Fiber non-bypass. Open Compute Project (OCP) NICs are only supported on the SSP-S620-10: Dual Port 10GbE Copper non-bypass, Quad Port 10/25GbE Fiber non-bypass, Dual Port 100GbE Fiber non-bypass. For more details, refer to the individual appliance product specific documentation available in the Broadcom Support Portal.			
Quick Assist Technology (QAT)	Integrated 20-Gb/s QAT	For SSLV support, add ISG-FRU-QAT-S410; it is required.		Integrated 800 Gb/s (2K keys)
Rack Specifications				
Shipping Dimensions and Weight				
Width	580 mm (22.83 in.)	610 mm (24.01 in.)	610 mm (24.01 in.)	620 mm (24.40 in.)
Overall Depth	925 mm (36.42 in.)	995 mm (39.17 in.)	995 mm (39.17 in.)	1000 mm (39.37 in.)
Height (on pallet)	245 mm (9.65 in.)	290 mm (11.41 in.)	290 mm (11.41 in.)	290 mm (11.41 in.)
Shipping Weight	~17.8 kg (38.14 lb)	~26 kg (57 lb)	~26 kg (57 lb)	29.00 kg (64 lb)
Appliance Dimensions and Weight				
Width ^a	438 mm (17.24 in.)	438 mm (17.24 in.)	438 mm (17.24 in.)	438 mm (17.24 in.)
Overall Depth ^a	471 mm (18.55 in.)	770.5 mm (30.33 in.)	770.5 mm (30.33 in.)	772 mm (30.39 in.)
Height	43.5 mm (1.71 in.)	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)	21.70 kg (47.82 lb)
Operating Environment				
Main Input Power - PDU	Dual 100 VAC to 240 VAC, ~/4A @100V, 50Hz to 60Hz	Dual 100 VAC to 240 VAC, ~7.08A@240V, 47 Hz to 63 Hz		Dual redundant 100 VAC to 240 VAC, ~7.08A@240V, 47 Hz to 63 Hz
Facility Power Interface	Type B, 5-15R, 120 VAC			Type B, 5-15R
Power (maximum)	300W	1200W	1200W	1200W
Thermal Rating (maximum)	1025 BTU	4096 BTU	4096 BTU	4096 BTU
Operating Temperature	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)	0°C to 35°C (32°F to 95°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)	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	20% to 95% RH	20% to 85% RH	20% to 85% RH	20% to 85% RH
Non-operating Humidity	10% to 95% RH	10% to 85% RH	10% to 85% RH	10% to 85% RH
Operating Altitude	3000m	3000m	3000m	3000m
Non-operating Altitude	12,000m	12,000m	12,000m	12,000m

a. Appliance width does not include the rack mount ears; depth does not include the rack mount ears, rear thumb screws, and power supply handles.