

Secure Web Gateway Appliances

Demanding Security Demands High Performance

At A Glance

Problem

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

Solution

Symantec Secure Web Gateway Appliances optimize delivery and performance of Symantec ProxySG.

Benefits

- Runs industry leading Symantec ProxySG and Secure Web Gateway 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.

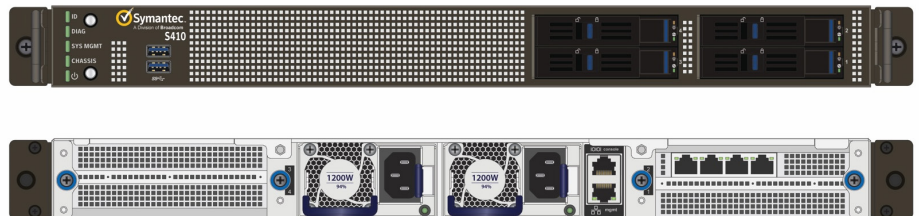
Overview

In today's competitive landscape, you can't 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 solution from Symantec delivers truly scalable, high-performance hardware in a compact footprint. More than 70% of the Fortune 500 effectively run the world's most trusted proxy-based Secure Web Gateway.

Built for Threat Protection

Secure Web Gateway Appliances are optimized to run Symantec ProxySG, which offers comprehensive threat protection as a critical foundation of enterprise security. ProxySG 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, ProxySG 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.



An Industry-Leading SWG Solution

With high-performance Secure Web Gateway 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 these crucial features:

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

An Industry-Leading SWG Solution (cont.)

- 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 the cloud, or any combination of the two
- Unmatched performance and reliability

Security Enforcement Anywhere

While most organizations have deployed the industry-leading Secure Web Gateway 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 Secure Web Gateway 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 Symantec Secure Web 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.



Secure Web Gateway Appliances	SSP-S410-10	SSP-S410-20	SSP-S410-30	SSP-S410-40
Platform Specifications				
System				
CPU	1x10 core 2.2Ghz 4210 Cascade Lake	2x10 core 2.2Ghz 4210 Cascade Lake	2x16 core 2.1Ghz 4216 Cascade Lake	2x20 core 2.1Ghz 6230 Cascade Lake
Memory	48 GB ((DDR4 SDRAM)	96 GB (DDR4 SDRAM)	192 GB (DDR4 SDRAM)	384 GB (DDR4 SDRAM)
Storage SSD	2 x 480 GB	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	2 x 64 GB
Power Supply	2 x 1200W	2 x 1200W	2 x 1200W	2 x 1200W
Network Interface - Data	4-port 10G Copper	4-port 10G Copper	4-port 10G Copper	4-port 10G Copper
Network Interface - Management	1G Copper	1G Copper	1G Copper	1G Copper
Optional Network Interface Cards	Quad Port 10G Copper (with bypass capability), Dual Port 10G Copper, Quad Port 1G Copper (with bypass capability), Quad Port 10G Fiber (LC, with bypass capability), Dual Port 100G Fiber			

Secure Web Gateway Appliances	SSP-S410-10	SSP-S410-20	SSP-S410-30	SSP-S410-40
Rack Specifications				
Shipping Dimensions and Weight				
Width	610 mm / 24.01 in	610 mm / 24.01 in	610 mm / 24.01 in	610 mm / 24.01 in
Overall Depth	995 mm / 39.17 in	995 mm / 39.17 in	995 mm / 39.17 in	995 mm / 39.17 in
Height (on pallet)	290 mm / 11.41 in	290 mm / 11.41 in	290 mm / 11.41 in	290 mm / 11.41 in
Shipping Weight (pounds)	-26 kg / 57 lb	-26 kg / 57 lb	-26 kg / 57 lb	-26 kg / 57 lb
Appliance Dimensions and Weight				
Width	483 mm / 19.01 in	483 mm / 19.01 in	483 mm / 19.01 in	483 mm / 19.01 in
Overall Depth	826.8 mm / 32.55 in	826.8 mm / 32.55 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	43.5 mm / 1.71 in
Appliance Weight	-22 kg / 48.5 lb	-22 kg / 48.5 lb	-22 kg / 48.5 lb	-22 kg / 48.5 lb
Operating Environment				
Main Input Power - PDU	Dual 100-240 VAC, 7.08 A, 47-63 Hz			
Facility Power Interface	Type B, 5-15R, 120VAC			
Power	1200W (MAX)	1200W (MAX)	1200W (MAX)	1200W (MAX)
Thermal Rating (Maximum)	4096 BTU	4096 BTU	4096 BTU	4096 BTU
Operating Temperature (Celsius)	0C to 40C (32F to 104F)	0C to 40C (32F to 104F)	0C to 40C (32F to 104F)	0C to 40C (32F to 104F)
Non-Operating Temperature	-40C to 70C (-40F to 158F)	-40C to 70C (-40F to 158F)	-40C to 70C (-40F to 158F)	-40C to 70C (-40F to 158F)
Operating Relative Humidity	20% to 85% RH	20% to 85% RH	20% to 85% RH	20% to 85% RH
Non-Operating Relative Humidity	10% to 85% RH	10% to 85% RH	10% to 85% RH	10% to 85% RH
Operating Altitude	3K Meters	3K Meters	3K Meters	3K Meters
Non-Operating Altitude	12K Meters	12K Meters	12K Meters	12K Meters

Secure Web Gateway Appliances		
Regulations	Safety	Electromagnetic Comp
International	UL: UL 60950 1, 2nd Edition cUL: CAN/CSA C22.2 No. 60950 1 07, 2nd Edition CB: IEC 60950 1:2005 +A2:2013+ Summary with National Differences: EN 60950 1:2006+A2:2013	CISPR22:2008 Class A; CISPR32 Class A
USA	UL: UL 62368 1, 2nd Edition	FCC part 15, Class A /ANSI C63.4 2014
Canada	cUL: CAN/CSA C22.2 No. 62368 1 14, 2nd Edition	ICES-003, Issue 6 Class A / CAN/CSA CISPR 22 10
European Union (CE)	CB: IEC 62368 1:2014 (Second Edition) Summary with National Differences: EN 62368 1:2014+A11:2017	EN 55011, EN 61000 6 3, EN 55032, CISPR 32, Class A EN 61000 3 2 / EN 61000 3 3, EN 55024 / EN 61000 6 1, EN 61000 4 2 / EN 61000 4 3, EN 61000 4 4 / EN 61000 4 5, EN 61000 4 8 / EN 61000 4 11
Japan	---	VCCI V-3, Class A
Mexico	NOM-019-SCFI by NRTL Declaration	---
Argentina	S Mark - IEC 60950-1	---
Taiwan	BSMI - CNS-14336-1	BSMI - CNS13438, Class A
China	CCC - GB4943.1	CCC - GB9254; GB17625
Australia/New Zealand	AS/NZS 60950-1, Second Edition	AS/ZNS-CISPR32, AN/NZS CISPR 32:2015 + C1:2016 ED.2.0
Korea	---	KC - RRA, Class A, KN32/KN35, KN61000 4 2 / KN61000 4 3, KN61000 4 4 / KN61000 4 5, KN61000 4 6 / KN61000 4 11
Russia	EAC - TP TC 004/2011	EAC - TP TC 020/2011
Environmental	RoHS-Directive 2011/65/EU, REACH-Regulation No 1907/2006	
Product Warranty	Limited, non-transferable hardware warranty for a period of one (1) year from date of shipment. Support contracts available for 24/7 software support with options for hardware.	