

# Web Security Appliances

## SG800 Series

Optimized Port 80 Security Appliances designed to protect enterprises from Web-based threats



Establishing and maintaining enterprise Web security is more complex – and critical – than ever before. Enterprises increasingly depend on the Internet for business critical content, applications and transactions. This growing use of the Web exposes organizations to new threats, including viruses, rogue applications, malicious mobile code and other inappropriate Web content, all running uncontrolled over Port 80.

Blue Coat Systems' SG800 Series represents the latest in perimeter defenses for securing and controlling Web-based content and applications. Delivered as a rack mountable appliance for simple installation and management, the SG800 easily integrates with existing security and network infrastructure to provide the next essential element of Internet protection.

"Editors' Choice Awards are selected based on a product's usefulness to enterprise end-users...Blue Coat Systems' security appliance fills a need for secure and reliable enterprise e-business activities."

- Editor, *Communication News*



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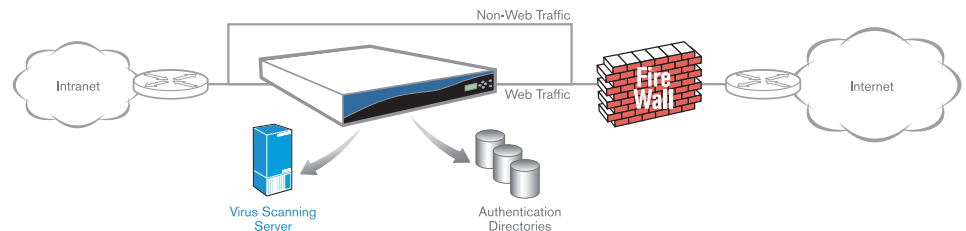
### Introducing the SG800 Series Port 80 Security Appliance:

- Hardened appliance specifically designed to protect companies from port 80 threats
- Optimized to provide line speed, content-level processing of Web objects
- Unique Policy Processing Engine enforces granular policies according to rules set by the administrator
- Integrated URL Filtering restricts access to inappropriate content
- Policy-based "scan once, serve many" model enables real-time processing for Web virus scanning
- Support for multiple, simultaneous authentication methods enables secure, authorized access to Web content
- Enables all downloads or uploads of potentially harmful content to be secured

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*With Blue Coat Systems' SG800 appliances, organizations can add powerful content-level protection to existing packet-level protection offered by firewalls.*



## Overview

### Innovative Security Solution

Blue Coat Systems' SG800 Series is the industry's first security appliance to provide critical security for Web protocols and port 80 content. Based on a secure operating system, the SG800 is the ideal choice for protecting Internet applications such as Web browsing, instant messenger services, personal web-based email (eg. Yahoo! and Hotmail) and rich multimedia content. The use of these Web applications exposes the organization to new security threats from Web viruses, hostile mobile code and inappropriate content - all of which use HTTP, or Port 80, as an "open door" into the network.

Based on an award-winning operating system, the SG800 Series is optimized for Web security functions including Web virus scanning, content security, URL filtering and bandwidth management while providing end users with the responsiveness they demand. The SG800 works with existing routers, switches, firewalls and servers to reduce the complexity, cost, and management needed for comprehensive Web security.

### The Blue Coat Systems Advantage

Blue Coat Systems security appliances incorporate proven software technology to deliver highly reliable Web security. Taking advantage of our Web proxy caching expertise, Blue Coat has developed the Web Knowledge Framework (WKF) and the Policy Processing Engine (PPE) – integral components of every SG800 appliance providing the foundation for scalable, policy-based security required in today's Web environments.

## Applications

### Web Virus Scanning

"Scan once, serve many" model allows real-time scanning and scalability with existing virus server solutions.

### Content Security

Parses inbound Web and multimedia content and strips out malicious mobile code and active content invisible to other security devices.

### Content Filtering

Integrated URL filtering enables IT staff to prevent users from accessing inappropriate content.

### Bandwidth Management

Provides the content positioning, bandwidth savings and bandwidth control needed to keep your network running optimally and ensure capacity is available for mission-critical applications.

### Proxy Server

High-performance, scalable replacement for existing proxy servers.

*Blue Coat System Architecture: Policy Processing Engine makes content-level security decisions based on the information embedded in the Web Knowledge Framework. The customized environment of the SG800 gives the PPE the ability to make these granular decisions in real-time, unlike competing solutions that run on standard servers.*



## Product Features

The SG800 combines patent-pending software with robust hardware to deliver unmatched security, manageability and scalability. As a true appliance, the SG800 Series is easy to install and administer, and is supported by a world-class service organization.

### Key Software Features

**Policy Processing Engine** – Patent-pending system enables sophisticated security policies based on individual users, groups of users, time of day, location, protocol, user agent, content type and other attributes.

**Web Knowledge Framework** – Core technology understands critical information for every Web transaction including network identifiers, authentication credentials, content types, protocols, methods, headers, browser types, url, location and time. Provides the data used for processing and enforcement by the Policy Processing Engine.

**Visual Policy Manager** – Browser-based software application with an intuitive, graphical user interface for defining and managing security policies.

**Comprehensive Authentication** – Supports proxied and transparent user authentication to multiple, diverse back-end authentication directories. Support includes RADIUS, LDAP and NTLM. Network level authentication enables identification of users based on IP address, subnet, or other network identifier.

**Intelligent Caching of Web Content** – Proxy caching technology ensures intelligent caching of content – including content requiring authentication at origin servers.

**Virus Scanning** – ICAP (Internet Content Adaptation Protocol) support allows for scanning of Web-based viruses delivered over HTTP and FTP through integration with leading anti-virus solutions.

**Browser Identification** – Apply corporate usage policies based on browser and media player version to reduce risk associated with employees using versions with known security flaws.

**Denial of Service Attack Resistance** – Distinguishes between valid and malicious connections to continue servicing legitimate users while resisting DOS attacks.

**URL Filtering** – Allows organizations to implement policies that manage, restrict and log access to Web content by user, group, or subnet through integrated, subscription-based solutions from Secure Computing and Websense™.

**MIME Type Filtering** – Allows organizations to implement policies for both uploaded and downloaded content by MIME type.

**Streaming Bandwidth Control** – Allows organizations to define limits for the total amount of network capacity available for streaming media as well as the maximum streaming bandwidth individual users can request. Multimedia streaming types supported include Real Networks, Microsoft Windows Media, Apple QuickTime, MP3 and Flash.

**Content Transformation** – Limit or strip and replace what information is available in content headers so that information about the corporate network isn't available on the Internet.

**Configuration Management** – Both graphical user and command line interfaces for managing, configuring, monitoring and upgrading Blue Coat appliances remotely.

**Blue Coat Director** – Separate management appliance enables secure centralized configuration and policy management for all Blue Coat appliances within an organization.

**Comprehensive Logging and Reporting** - Provides complete visibility and reporting to network and security administrators detailing information and all events managed and monitored by the SG800.

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## SG800 Series

The Web Security Authority.

### Key Platform Features

- Simple-to-manage appliance installs in minutes with little ongoing maintenance
- Configuration restoration allows system configuration to be archived, including all system settings, filtering and policies
- Removable, hot-swappable disk drives for true fault tolerance
- Field Serviceable and Upgradeable

### Configuration & Specification Chart

	Model 800-0 & 800-0B	Model 800-1	Model 800-2	Model 800-3
<b>System</b>				
Disk drives	<b>800-0:</b> 1 x 18 GB Ultra160 SCSI <b>800-0B:</b> 2 x 18 GB	1 x 73 GB Ultra160 SCSI	2 x 73 GB Ultra160 SCSI	4 x 73 GB Ultra160 SCSI
RAM	<b>800-0:</b> 512 MB <b>800-0B:</b> 768 MB	1 GB	1.5 GB	2 GB
Network Interfaces	(2 on board) 10/100 Base-T ethernet	(2 on board) 10/100 Base-T ethernet (1) Optional expansion slot: 10/100 Base-T or 10/100/1000 Base-T or SX interface		
<b>Operating System</b>	Security Gateway OS			
<b>Operating Environment</b>				
Power	AC power 100-240V, 47-63Hz, 2A DC power 42-56VDC			
Temperature	5°C to 35°C (41°F to 95°F)			
Humidity	Less than 90% relative humidity, non-condensing			
Altitude	Up to 3047 M (10,000 ft)			
<b>Dimensions and Weight</b>				
Enclosure	19" Rack-mountable			
Height	44 mm (1.72 in); 1 rack unit			
Width	442 mm (17.4 in)			
Depth	578 mm (22.75 in); mounting depth			
Weight	<b>800-0:</b> 10.91kg (24 lb) <b>800-0B:</b> 11.82kg (26 lb)	<b>800-1:</b> 10.91kg (24 lb)	<b>800-2:</b> 11.82kg (26 lb)	<b>800-3:</b> 13.64kg (30 lb)
<b>Regulations</b>				
Emissions	FCC Class A, EN55022 Class A			
Safety	CSA C22.2 No. 950 M95, UL 60950 3 Edition, EN60950			
<b>Support</b>	Standard warranty: 90-day software & phone support with 1-year hardware support; extended and upgraded support plans available			