



The foundation of Blue Coat's application delivery infrastructure, Blue Coat ProxySG® appliances establish points of control that accelerate and secure business applications for users across the distributed organization. As the world's leading proxy appliance, the Blue Coat ProxySG is a powerful yet flexible tool for improving both application performance and security, removing the need for compromise.

FEATURES

Acceleration — MACH5

Bandwidth Management

- > Assign priority and network resources based on port, device, applications or content to reflect corporate policies

Protocol Optimization

- > Improve inefficient protocols by making them more tolerant to higher latencies

Byte Caching

- > Cache repetitive traffic found in the byte stream and serve it locally to reduce WAN traffic

Object Caching

- > Store files, videos and Web content locally, providing LAN-like performance over WAN

Compression

- > Inline compression can reduce predictable patterns even on the first pass

MACH5 Acceleration Client

- > SG Client software extends MACH5 acceleration capabilities to remote users connecting over VPNs or the WAN

Control — Proxy Services

Proxy support for multiple protocols

- > HTTP, CIFS, SSL, FTP, MAPI, P2P, MMS, RTSP, QuickTime, TCP-Tunnel, DNS
- > Bandwidth management on all proxy services
- > SSL Termination & Proxy (forward and reverse)
- > Control encrypted traffic for all users and applications inside & outside the enterprise

Content Filtering and Security

- > On-proxy support of leading URL lists, popular regional lists, custom lists, or custom categories
- > Strip and replace Web content P2P file sharing controls
- > Log and block P2P traffic
- > Control BitTorrent, eDonkey, Gnutella, and FastTrack

Web virus scanning

- > ProxyAV integration with ProxySG
- > Choice of anti-virus engines

IM Logging and Controls

- > MSN, Yahoo!, AOL Messengers
- > Method level control settings

Spyware Prevention and Control

- > Block spyware and malware
- > Control pop-ups and phishing scams

Streaming controls

- > MS, Real, QuickTime
- > Stream splitting & caching

Performance & Reliability — SGOS

Platform highlights:

- > Secure object-based operating system with small footprint
- > High-speed caching with advanced object pipelining and adaptive refresh
- > Built-in pass-through network card, compression services, bandwidth management, and SSL off loading

Network functionality including:

- > Active/Active bridging support using virtual IP addressing for failover and remote installations
- > Routing configurations for gateway, route tables, RIP, DNS, and WCCP
- > Health checks performed on a forwarding host or external servers to verify status and availability of device
- > 19" Rack mountable (with kit) or portable use Integrated support services
- > View & submit service requests via the Blue Coat management interface
- > Send snapshots (trace files) to Blue Coat Support Services for faster resolution

Manageability — Policy Processing Engine

Authentication

- > Utilize a company's existing authentication source for integrated SSO, including local password files, NTLM, LDAP (Active Directory, eDirectory, SunOne), CA eTrust SiteMinder, Microsoft Kerberos, Oracle Access Manager, RADIUS and certificates
- > Multi-realm authentication sequencing
- > Forms-based authentication support

Powerful management interface

- > Web-based management interface
- > Optional command line interface

- > Alerting via SNMP, SMTP and logging administrative events

Comprehensive policy definitions

- > Graphical Visual Policy Manager with layered policy definitions
- > Definable triggers and actions for policy definition

Content Policy Language (CPL)

- > Create custom text-based policies to address unique policy requirements
- > Built-in text editor for CPL allows sample code to be copied and pasted from Blue Coat TechBriefs or Support Services advisories

Extended Management with Director

- > Distribute, backup, restore policy files for multiple Blue Coat ProxySG appliances
- > Manage policy by device, group, or region
- > Job scheduling/job status reporting

Management & Control of SG Clients

- > Configure, provision and maintain global deployment of SG Clients
- > Accelerate applications by user
- > Upgrade client versions seamlessly with auto version detection and update

Visibility —

Management Reporting

Default logging

- > HTTP, HTTPS, CIFS, MAPI, FTP, TCP-Tunnel, P2P, ICP, Windows Media, Real Media, QuickTime, DNS
- > Global log file limits and upload sizing
- > Client upload settings and scheduling

Custom logging and trace files

- > Selectable fields/text/log formats

Statistics

- > Bandwidth Gain
- > HTTP/HTTPS/FTP history
- > Streaming history
- > Resources

SNMP Support

- > Trap settings, community strings

Aggregate Blue Coat ProxySG Logs with Reporter

- > Reporter Dashboard™ provides a "drill-able" overview of Web activity
- > 150+ pre-defined reports track user activity, security risks, and Web traffic performance
- > Secure browser access/role-based viewing
- > Provides real-time reporting with continuous log uploads



SG210 SERIES	SG210-5	SG210-10	210-25	Physical Properties
License Capacity - Concurrent Users				Dimensions and Weight
With ADN Enabled	10	50	Unlimited	
Without ADN Enabled	30	150	Unlimited	Desk/wall mount, rack mountable* [*specific rack mount kit required].
System				Dimensions (L x W x H)
Disk drives	1x80GB IDE	1x250GB IDE	1x250GB IDE	35.6cm x 19.1cm x 4.4cm (14in x 7.5in x 1.72in)
RAM	512MB	1GB	1GB	Weight (maximum)
Network Interfaces	(2) integrated (on board) 10/100Base-T NICs with passthrough	(2) integrated (on board) 10/100Base-T NICs with passthrough	10/100Base-T NICs with passthrough	2.6kg(5.8lb)
Optional NICs/Cards	SSL Offload Card	None	None	Operating Environment
				Power
				AC power 100-240V, 50-60Hz, 6.3-3.0A
				Maximum Power
				45 Watts
				Thermal Rating
				153.63 BTU/Hr
				Temperature
				5°C to 35°C (41°F to 95°F)
				Humidity
				Less than 90% relative humidity, non-condensing
				Altitude
				Up to 3048 M (10,000 ft)

SG510 SERIES	SG510-5	SG510-10	SG510-20	SG510-25	Physical Properties
License Capacity - Concurrent Users					Dimensions and Weight
With ADN Enabled	50	125	300	Unlimited	
Without ADN Enabled	200	500	1200	Unlimited	19" Rack-mountable
System					Dimensions (L x W x H)
Disk drives	2x80GB SATA	2x320GB SATA	2x320GB SATA	2x320GB SATA	58cm x 44cm x 4.4cm (22.8in x 17.4in x 1.7in)
RAM	2GB RAM	2GB RAM	2GB RAM	2GB RAM	Weight (maximum)
Network Interfaces	(2) integrated (on board) 10/100/1000 Base-T NICs	(2) integrated (on board) 10/100/1000 Base-T NICs	10/100/1000 Base-T NICs	2x10/100/1000 Base-T card (dual GigE with passthru)	12.3kg(27lb) 12.7kg(28lb) 12.7kg(28lb) 12.7kg(28lb)
Optional Cards	SSL Offload card	None			Operating Environment
Optional NICs	2x10/100/1000Base-T card (dual GigE)				Power
	2x10/100/1000Base-SX card (dual GigE Fibre)				AC power 100-240V, 50-60Hz, 6.3-3.0A
	4x10/100/1000Base-T card (quad GigE with passthru)				Maximum Power
					150 Watts
					Thermal Rating
					512 BTU/Hr
					Temperature
					5°C to 35°C (41°F to 95°F)
					Humidity
					Less than 90% relative humidity, non-condensing
					Altitude
					Up to 3048m (10,000ft)

SG810 SERIES	SG810-5	SG810-10	SG810-20	SG810-25	Physical Properties
License Capacity - Concurrent Users					Dimensions and Weight
With ADN Enabled	500	700	1000	Unlimited	
Without ADN Enabled	2500	3500	5000	Unlimited	19" Rack-mountable
System					Dimensions (L x W x H)
Disk drives	2x73GB SCSI Ultra 320	2x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	58cm x 44cm x 4.4cm (22.8in x 17.4in x 1.7in)
RAM	2GB RAM	4GB RAM	6GB RAM	6GB RAM	Weight (maximum)
Network Interfaces	(2) integrated (on board) 10/100/1000 Base-T NICs	(2) integrated (on board) 10/100/1000 Base-T NICs	10/100/1000 Base-T NICs	2x10/100/1000 Base-T card (dual GigE with passthru)	14.1kg(31lb) 14.5kg(32lb) 15.4kg(34lb) 15.4kg(34lb)
Optional Cards	SSL Offload card	None			Operating Environment
Optional NICs	2x10/100/1000Base-T card (dual GigE)				Power
	2x10/100/1000Base-SX card (dual GigE Fibre)				AC power 100-240V, 50-60Hz, 6.3-3.0A
	4x10/100/1000Base-T card (quad GigE with passthru)				Maximum Power
					375 Watts
					Thermal Rating
					1280.25 BTU/Hr
					Temperature
					5°C to 35°C (41°F to 95°F)
					Humidity
					Less than 90% relative humidity, non-condensing
					Altitude
					Up to 3048m (10,000ft)

SG8100 SERIES	SG8100-5	SG8100-10	SG8100-20	Physical Properties
License Capacity - Concurrent Users				Dimensions and Weight
With/Without ADN Enabled	Unlimited	Unlimited	Unlimited	
System				19" Rack-mountable
Disk drives	2x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	8x300GB SCSI Ultra 320	Dimensions (L x W x H)
RAM	4GB RAM	6GB RAM	8GB RAM	59.2cm X 44.2cm X 17.652cm (23.3in X 17.4in X 6.95in)
Network Interfaces	(2) integrated (on board) 10/100/1000 Base-T NICs	(2) integrated (on board) 4x10/100/1000Base-T card (quad GigE with passthru)	10/100/1000 Base-T NICs	Weight (maximum)
Optional Cards	SSL Offload card - only available for 8100-5	SSL card		25.4kg(56lb) 27.2kg(60lb) 30.8kg(68lb)
Optional NICs	2x10/100/1000Base-T card (dual GigE)			Operating Environment
	4x10/100/1000Base-T card (quad GigE)			Power
	4x10/100/1000Base-SX card (quad GigE Fibre)			AC power 100-240V, 50-60Hz, 6.3-3.0A
				Maximum Power
				525 Watts
				Thermal Rating
				1792 BTU/Hr
				Temperature
				5°C to +40°C (41°F to 104°F)
				Humidity
				Less than 90% relative humidity, non-condensing
				Altitude
				Up to 3000 M (9,483 ft)

FOR ALL SG SERIES	
Regulations	
Emissions	FCC Class A, EN55022 Class A, VCCI Class A No.1706609, BSMI, CCC, C-tick
Safety	CSA C22.2 No. 950 M95, UL 60950 3rd Edition, EN60950, TUV-GS, TUV-S, CCC, BSMI
Standards	UL/CSA, TUV-S, BSMI, C-tick, CCC, CE
Support Standard Warranty	90-day software & phone support with 1-year hardware support; extended and upgraded support plans available

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