



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, MACH5 Edition, is a powerful yet flexible tool for improving application performance. Deployed at remote branches, and in the network core, these appliances form a transparent, secure and fast application delivery infrastructure to improve user productivity and reduce bandwidth expense.

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 and outside the enterprise

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
- > Completely transparent when tunneling applications between appliances, maintaining IP and port information for traffic management
- > Native support for advanced clustering for near limitless scalability, without additional load balancing appliances
- > Routing configurations for gateway, route tables, RIP, DNS, and WCCP, with support for asymmetric routing of application delivery tunnels
- > Health checks performed on a forwarding host or external servers to verify status and availability of device
- > 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

Powerful management interface

- > Web-based management interface
- > Optional command line interface
- > Alerting via SNMP, SMTP and logging administrative events

Content Policy Language (CPL)

- > Create custom text-based policies to address unique policy requirements
- > Definable triggers and actions for policy definition

Extended Management with Director

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

Management & Control of SG Clients

- > Configure, provision and maintain global deployment of SG Clients
- > 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 logs with Reporter

- > Reporter Dashboard™ - intuitive console that 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 from one or more Blue Coat SGs

License Type	MACH5	Proxy Edition
Windows Media Streaming	Yes	Yes
Real Media Streaming	Yes	Yes
QuickTime Streaming	Yes	Yes
Bandwidth Management	Yes	Yes
HTTP proxy	Yes	Yes
MAPI proxy	Yes	Yes
DNS proxy	Yes	Yes
SOCKS proxy	No	Yes
Telnet proxy	No	Yes
Forwarding	No	Yes
ICAP Services	No	Yes
Netegrity SiteMinder	No	Yes
Oblix COREid	No	Yes
Peer-To-Peer	No	Yes
User Authentication	No	Yes
Onbox Content Filtering (3rd Party or BCWF)	No	Yes
Offbox Content Filtering (e.g. Websense)	No	Yes
Instant Messaging (AOL, Yahoo, and MSN)	No	Free
SSL Termination/Proxy	Add-On	Add-On
SG Client	Add-On	Add-On



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	Enclosure
System				Desk/wall mount, rack mountable* [*specific rack mount kit required]
Disk drives	1x80GB IDE	1x250GB IDE	1x250GB IDE	Dimensions (L x W x H)
RAM	512MB	1GB	1GB	35.6cm x 19.1cm x 4.4cm (14in x 7.5in x 1.72in)
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	Weight (maximum)
Optional NICs/Cards	SSL Offload Card	None	None	2.6kg(5.8lb)
				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	SG510-10	SG510-20	SG510-25	Physical Properties
License Capacity - Concurrent Users				Dimensions and Weight
With ADN Enabled	125	300	Unlimited	
Without ADN Enabled	500	1200	Unlimited	Enclosure
System				19" Rack-mountable
Disk drives	2x320GB SATA	2x320GB SATA	2x320GB SATA	Dimensions (L x W x H)
RAM	2GB RAM	2GB RAM	2GB RAM	58cm x 44cm x 4.4cm (22.8in x 17.4in x 1.7in)
Network Interfaces	(2) integrated (on board) 2x10/100/1000Base-T NICs with passthrough	10/100/1000 Base-T NICs with passthrough	10/100/1000 Base-T NICs with passthrough	Weight (maximum)
Optional Cards	None	None	None	12.3kg(27lb) 12.7kg(28lb) 12.7kg(28lb)
Optional NICs	2x10/100/1000Base-T card (dual GigE)	2x10/100/1000Base-SX card (dual GigE Fibre)	4x10/100/1000Base-T card (quad GigE with passthru)	Operating Environment
				Power
				AC power 100-240V, 50-60Hz, 6.3-3.0A
				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	SG810-10	SG810-20	SG810-25	Physical Properties
License Capacity - Concurrent Users				Dimensions and Weight
With ADN Enabled	700	1000	Unlimited	
Without ADN Enabled	3500	5000	Unlimited	Enclosure
System				19" Rack-mountable
Disk drives	2x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	4x300GB SCSI Ultra 320	Dimensions (L x W x H)
RAM	4GB RAM	6GB RAM	6GB RAM	58cm x 44cm x 4.4cm (22.8in x 17.4in x 1.7in)
Network Interfaces	(2) integrated (on board) 2x10/100/1000Base-T NICs with passthrough	10/100/1000 Base-T NICs with passthrough	10/100/1000 Base-T NICs with passthrough	Weight (maximum)
Optional Cards	None	None	None	14.1kg(31lb) 14.5kg(32lb) 15.4kg(34lb)
Optional NICs	2x10/100/1000Base-T card (dual GigE)	2x10/100/1000Base-SX card (dual GigE Fibre)	4x10/100/1000Base-T card (quad GigE with passthru)	Operating Environment
				Power
				AC power 100-240V, 50-60Hz, 6.3-3.0A
				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	SG8100-10	SG8100-20	Physical Properties
License Capacity - Concurrent Users			Dimensions and Weight
With/Without ADN Enabled	Unlimited	Unlimited	
System			Enclosure
Disk drives	4x300GB SCSI Ultra 320	8x300GB SCSI Ultra 320	19" Rack-mountable
RAM	6GB RAM	8GB RAM	Dimensions (L x W x H)
Network Interfaces	(2) integrated (on board) 4x10/100/1000Base-T NICs with passthrough	10/100/1000 Base-T NICs with passthrough	59.2cm X 44.2cm X 17.652cm (23.3in X 17.4in X 6.95in)
Optional Cards	None	None	Weight (maximum)
Optional NICs	2x10/100/1000Base-T card (dual GigE)	4x10/100/1000Base-T card (quad GigE)	25.4kg(56lb) 27.2kg(60lb)
			Operating Environment
			Power
			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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