



Speedgoat Systems Network Caching Appliances (with security)

Overview:

Speedgoat Systems Network Caching Appliances provide a robust solution at the edge of a client network to efficiently utilize Internet connections and improve the user experience. The Caching appliance also includes Speedgoat Systems standard firewall software.

Speedgoat caching appliances store (cache) web content locally so Internet connections are not used to download the same information (pages/software/etc.) multiple times. This will significantly improve the efficiency of the Internet connection(s).

Over 80% of the websites on the Internet utilize SSL (https) and the number is growing every day. Speedgoat Systems appliances utilize full SSL DPI decryption and encryption to cache more content than our competitors' "boxes" resulting in a more efficient use Internet connections.

Caching and Security in one appliance:

Prior to the creation of Speedgoat appliances, network caching and security were typically provided by separate caching servers and firewalls. Speedgoat is disrupting both the firewall industry and caching industry by providing appliances with this combined functionality.

Speedgoat Systems Caching Appliances with Security and Security Appliances with Caching are built with the same software and hardware for improved support, maintenance, and maximized performance per dollar spent. Speedgoat Appliance model numbers end in C (Security Appliance with Caching) and CE (Caching Appliance with Security) for marketing purposes only. There is no difference in the capabilities and functionality of these devices. Caching may be enabled or disabled in Security Appliances AND Security (Firewall) capabilities can be enabled or disabled in Caching Appliances.

3 Year Warranty and Technical Support Included:

All Speedgoat Systems appliances include a 3yr hardware/software warranty, available firmware and bugfix upgrades, plus 3yrs of telephone technical support. Basic technical support licenses (valid for 12 months) are available for purchase after the initial 12-month term.

Built for Education and E-Rate:

Although Speedgoat Systems appliances are deployed in commercial networks, the appliances and standard software packages were created specifically based on the needs of schools and libraries. Speedgoat appliance were designed with key firewall, switching, routing, and caching features found in other 100% E-Rate eligible appliances on the market. Additional E-Rate ineligible Advanced Security Software can be added to a Speedgoat Systems appliance outside of the E-Rate program.

Speedgoat Systems appliance and standard software features/capabilities have been compared with other E-Rate "firewall" and "caching server" manufacturers selected by hundreds of applicants to ensure eligibility.

Unbundling Advantage:

Speedgoat Systems decided to price all of our services (configuration / installation) and Advanced Software based on the cost of each component. Most manufacturers price their bundles based on the cost of the individual components and then penalize customers for purchasing the individual components OR don't offer the individual components at all. By pricing components individually, Speedgoat Systems customers save significantly because they buy the components they need and can add additional components when they need them.



Caching Appliance with Security - Competitor Comparison

	Speedgoat Systems	Cisco-Meraki MX Firewalls	FortiNet FortiGate	SonicWall NSA	Appliansys Cachebox
Web Content Caching to local system drives	✓	✓ (HTTP only certain models)			✓
Caching of SSL/HTTPS Websites (Full DPI)	✓				
Full SSL DPI capability (caching or firewall)	✓		✓	✓	✓ (certain models)
Stateful & NextGen Firewall	✓	✓	✓	✓	
VLAN to VLAN routing	✓	✓	✓	✓	
Static Routing	✓	✓	✓	✓	
Standards Based VRRP Routing	✓		✓	✓	
OSPF & BGP Routing with Standard offering	✓		*	*	
Site to Site VPN	✓	✓	✓	✓	
Client VPN	✓	✓	✓	✓	
Content Filtering, IDS/IPS, Anti-Malware (Advanced Software)	✓*	✓*	✓*	✓*	
Size Agnostic Advanced Software Pricing	✓*				
Advanced Software can be deployed on other mfg. systems.	✓*				

* Additional Software or Service outside standard offering may be required. (Advanced Software may not be E-Rate Eligible)



Speedgoat Systems Caching Appliances with Security

Minimum Capabilities	SG100CE	SG200CE	SG400CE	SG600CE	SG1kCE
Speed* (at full SSL DPI)	130Mbps	275Mbps	600Mbps	1.2Gbps	5+Gbps
Network Ports	4 1Gbps RJ-45 0 10Gbps SFP+	4 1Gbps RJ-45 0 10Gbps SFP+	4 1Gbps RJ-45 0 10Gbps SFP+	4 1Gbps RJ-45 2 10Gbps SFP+ 2 10Gbps SFP+	Custom
Drive: Qty / Size / Type	2 / 1TB / 5400RPM HDD in RAID	2 / 1TB / 7200RPM HDD in RAID	2 / 1TB / Fast Read Cache SSD in RAID	2 / 2TB / Fast Read Cache SSD in RAID	Custom
Memory	8GB	8GB	8GB	16GB	Custom
Rack Mount Type	1U Half depth rack mount	1U Half depth rack mount	1U Half depth rack mount	1U Half depth rack mount	2U Full Depth 4 post rackmount
Power Supplies	1	1	1	2	2
Warranty	3 Years	3 Years	3 Years	3 Years	3 Years
Technical Support	Included	Included	Included	Included	Included
Firewall Software Included	Standard Stateful Firewall, Client VPN, Site to Site VPN, SD-WAN, Routing (Static, VRRP, OSPF, BGP)	Standard Stateful Firewall, Client VPN, Site to Site VPN, SD-WAN, Routing (Static, VRRP, OSPF, BGP)	Standard Stateful Firewall, Client VPN, Site to Site VPN, SD-WAN, Routing (Static, VRRP, OSPF, BGP)	Standard Stateful Firewall, Client VPN, Site to Site VPN, SD-WAN, Routing (Static, VRRP, OSPF, BGP)	Standard Stateful Firewall, Client VPN, Site to Site VPN, SD-WAN, Routing (Static, VRRP, OSPF, BGP)
Caching Software Included	Standard Network Caching Software	Standard Network Caching Software	Standard Network Caching Software	Standard Network Caching Software	Standard Network Caching Software
Comparison Models (Caching Companies)	CB-230	CB-310	CB-420	CB-440	N/A
Comparison Models (Firewall Companies)	MX-84 FG-100E NSA-2650	MS-100 FG-200E NSA-3650	MX-450 FG-300E NSA-4650	MX-None FG-500E NSA-5650	varies

Available Standard Services:

SG-BAS-CONFIG: Remote configuration assistance by Speedgoat Systems engineers and technicians. Billed hourly.

SG-BAS-INSTALL: On-Site physical installation assistance. Billed hourly.

1yr Basic Maintenance Service is available 36 months following purchase of the Speedgoat Appliance.

Available Advanced Software & Services:

Advanced Software (Filtering, Anti-Virus, Anti-Malware, IDS/IPS) and related configuration, installation and maintenance services are available separately for the above appliances or compatible firewalls from other manufacturers. See more information at speedgoatsystems.com/