

BroadScan™

Spam-Virus Security Appliance (SCL2000G)

BroadScan™ SCL2000G combines comprehensive security management and load balancing for mid Enterprise networks with up to 500 users.

The SCL2000G provides Enterprise security management and intelligent WAN load balancing for mid Enterprise and distributed branch networks in an all-in-one appliance. The result is a more efficient and cost effective solution to preserve the productivity and security of a business network. The rack mount appliance adopts Heuristics Analysis intelligently block viruses, Spyware and unsolicited Spam, plus provides powerful Firewall, VPN tunneling support and AAA access controls. Additional security includes powerful Firewall protection, VPN tunneling support and AAA access controls. Email filtering measures include varied processing of email considered spam or containing virus or Spyware files, and incorporates Bayesian learning to optimize filtering accuracy to greater than 95 percent. The built-in Clam virus scanning engine is automatically updated with the latest signatures for viruses and worms, and provides options for handling infected files, including deletion, quarantine or forwarding redirection.

Additional controls include filtering for URL, Instant Messaging, FTP, and other applications to maximize business productivity. The Firewall is a Stateful Packet type with integrated IDP for comprehensive risk management and Denial of Service prevention.



The SCL2000G provides IPSec and PPTP VPN tunneling to secure corporate communications, plus AAA authentication with internal and external RADIUS support for flexible authentication options.

Features and Benefits

Anti-Spam and Anti-Spyware Filtering - Multi-layered defense system includes Header Analysis, Black and White lists, and Bayesian Analysis, plus Heuristics Analysis to block better than 95 percent of undesirable files. Spam tagged files may be deleted, delivered or rerouted. Bayesian self-learning provides pro-active response to continually refine accuracy for optimum filtering performance.

Anti-Virus Protection with Subscription *FREE* Updates - Built-in Clam virus scanning engine detects viruses, worms and Trojan contaminated Email, and provides in-depth filtering options for deletion, delivery, quarantine, and rerouting. Virus definition signatures are updated automatically on a scheduled basis adjustable to as frequent as 10 minute intervals.

WAN Load Balancing - Supports dual WAN connections for ISP redundancy, with inbound and outbound WAN load balancing to optimize Class of Service throughput.

Firewall, IDP and Content Filtering - Provides intrusion protection and Denial of Service attack blocking (including Sasser, Blaster, Code Red, Nimda, etc). Provides administrative control over Internet access to web sites, file downloads, IM and other potential security and productivity problem sources.

VPN Tunneling - Full IPSec and PPTP end point support that enables secured intranet communications between branch offices and Enterprise servers.

AAA Access Controls - supports external RADIUS authentication, with extensive inbound and outbound policy management, and detailed administrative reporting.

Traffic shaping for VoIP - Includes QoS bandwidth priorities and ALG support for H323 and SIP voice.

Specifications

Network Size	Mid and Distributed Enterprise ~ 500 users
Package	Appliance - 1U rack mount
Performance	
Firewall	440 Mbps - LAN to WAN throughput
VPN (3DES)	130 Mbps - LAN to WAN throughput
Concurrent Sessions	1,000,000 Sessions / Second
Email capacity	2,500,000 / day
Filtering Techniques (inbound and outbound)	Spam: Bayesian, Personal rule, White/Black list, Global rule, RBL, auto-train Viruses: Heuristics scanning of multiple protocols (SMTP, POP3, FTP, HTTP) Spyware: install prevention, desktop cleaning, Web site blocking
Scanning Engines	ClamAV (virus), Snort (IDP), SpamAssassin (Spam and Spyware) Signature database updates by schedule or on-demand (no subscription fees)
Content Filtering	
URL blocking	Prevents access to specific web sites - 4000 entries
Script blocking	Prevents ActiveX, Java, Cookies and Popup
P2P blocking	Prevents peer file downloads (eDonkey, Bit Torrent, Ultrasurf , etc...)
FTP and HTTP files	Prevents file downloads
IM blocking	Prevents Instant Messaging (MSN, AIM, Yahoo Messenger, ICQ, etc...)
Load Balancing	
Inbound	Round Robin, Backup, Reverse
Outbound	Auto mode, by session, by packet, Round Robin
WAN Ports	Two
VPN	IPSec/IKE (DES, 3DES, AES), SHA-1, MD5 PPTP client/server SSL
Firewall	SPI (stateful packet inspection) Protects against DoS, DDoS, and internal DoS attacks IDP system supports risk management with signature updating
Bandwidth Management	QoS: HTB algorithm support for Prioritized utilization and Guaranteed bandwidth VoIP: supports pass through of H323 and SIP packets
AAA	
Authentication	External support: RADIUS client Internal support: Internal data base for 2000 users
Authorization	Policy management - inbound and outbound
Accounting	Detailed reporting for user / event activity
Management	HTTPS DDNS - 256 entries High Availability - supports master and backup configurations CPU utilization monitoring - simplifies network performance optimizing
Administrative Reporting	
Mail log	Provides detailed transaction logging
Graph statistics	Displays graphical statistics for Spam and Virus filtering
Firewall events	Creates real-time email and/or Windows based alert notices
Interface	
WAN	2 ports: 10/100/1000Base-Tx
LAN	1 port: 10/100/1000Base-Tx
DMZ	1 port: 10/100/1000Base-Tx
Console	1 port: RS-232 serial port
Platform	CPU: Celeron 2.4 GHz, 512 MB DRAM, 256 MB Flash Hard Disk (internal): 160 GB
Operating Environment	Operating Temperature: -20 - 70°C (-4 - 158°F) Humidity: 0-95% non-condensing
Dimensions	426 x 44 x 330 mm, 4.60 Kg
Power	Voltage: 90 - 264VAC, 50-60Hz, full range (250 W) Power supply: Internal AT PS
Regulatory Approval	FCC
Warranty	Standard 1 year, limited

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