

BroadScan™

Spam-Virus Security Appliance (SCL3000)

BroadScan™ SCL3000 combines comprehensive security management, WAN load balancing and GigE networking for up to 1000 users.

The SCL3000 combines Enterprise security and intelligent WAN load balancing into an all-in-one appliance for Enterprise networks with up to 1000 users. The result is a more efficient and cost effective solution to preserve business productivity and security. The rack mount appliance comprehensively manages security threats from within and without the network.

Real time email protection includes inbound and outbound scanning that adopts Heuristics Analysis and Bayesian self-learning to intelligently block viruses, Spyware and unsolicited Spam to better than 95 percent. Plus, the SCL3000 provides perimeter protection with a powerful SPI Firewall backed by an Enterprise-class Intrusion Protection system for comprehensive risk management and Denial of Service prevention. BroadSan™ achieves unprecedented multi-layered threat protection based on industry leading open source scanning engines for virus, Spam and IDP, which are updated automatically with no subscription fee.

Protection for corporate branch-to-branch communications includes VPN tunneling options to connect distributed offices or remote users with IPsec, PPTP and SSL.

Extensive policy controls for network users are enforced through RADIUS based AAA and application content filtering to maximize business productivity. The SCL3000 supports ISP redundancy with load balancing across four WAN ports, each supporting Gigabit data rates.



Inbound and Outbound Spam, Virus and Spyware Filtering - Multi-layered defense system includes Header Analysis, Black and White lists, and Bayesian Analysis, plus Heuristics Analysis to detect better than 95 percent of undesirable email and files. Protects against POP3, HTTP and FTP sources for viruses. Files may be tagged for deletion, delivery or quarantine.

Industry leading Scanning Engines with **FREE** Updates

- Viruses: **ClamAV** with auto-update intervals as frequent as every 10 minutes.
- Spam: **SpamAssassin** with auto-updates.
- IDP: **Snort** intrusion database with auto-updates.

WAN Load Balancing - Four GigE WAN ports offer ISP redundancy and failover with multi-homing and load balancing of inbound and outbound traffic to optimize Class of Service throughput and reliability.

Firewall and Intrusion Protection - Provides intrusion detection and prevention with Denial of Service attack blocking against hackers and resident malicious viruses. SPI firewall is backed by proactive IDP system that allows risk and reaction assignment to control the level of alerts and threat response.

VPN Tunneling - Full IPsec and PPTP end point support that enables secured Intranet and Extranet communications with branch offices or remote users. SSL support will be implemented in Q4.

AAA RADIUS and Content Filtering - internal and external RADIUS authentication supports extensive inbound and outbound policy management, including administrative control over Internet applications.

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

Specifications (SCL3000)

Network Size	Mid Enterprise - 1000 users
Package	Appliance - 1U rack mount
Performance	
Firewall	350 Mbps - WAN to LAN throughput
VPN (3DES)	80 Mbps - throughput
Sessions	1,000,000 concurrent
Email capacity	2,200,000 / day
Filtering (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, 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, 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	Four
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: resident database for 2000 users
Authorization	Policy management - inbound and outbound
Accounting	Detailed reporting for user / event activity
Management	HTTPS DDNS - 512 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	4 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: Pentium 2.8 GHz, 1GB DRAM, 128 MB Flash Hard Disk (internal): 80 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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