

Application Note: Changing the Economics of Network Security with BroadScan™

New Spam–Virus Security Appliance family makes comprehensive Enterprise-class features affordable by eliminating subscription update fees

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The new BroadScan™ family of Spam-Virus Firewall Appliances is another example of how SOHware delivers Enterprise-class solutions focused on the needs of small and medium business (SMB) networks. BroadScan™ all-in-one security solutions deliver the high performance, ease of use and affordability that our VAR customers have come to expect from SOHware.

Email, the indispensable communication tool for individuals and businesses alike, is the single most common source of overwhelming Spam and insidious viruses. Traditional firewalls that simply pass all inbound and outbound email traffic are hardly protection for today's businesses that need a solution to analyze email along with network traffic on a real time basis to block intruders and filter infected email before they reach business servers and user's computers. Additionally, perimeter firewalls are not capable of inspecting internal traffic to monitor and detect existing intrusion threats that are already loose in the network. In the absence of a comprehensive email scanning and intrusion detection security solution combined with a robust packet firewall a threat, such as a Trojan virus, can enter the network undetected and begin spreading externally as well as internally.

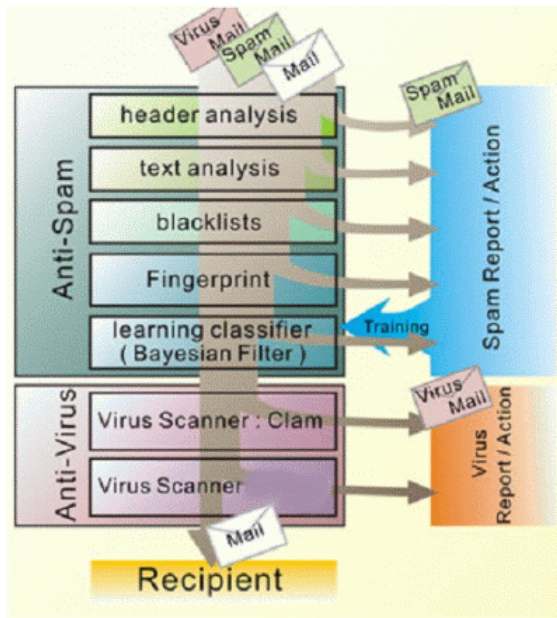
Content-based network-borne threats (MP3 files, Worms, Trojans), hacker intrusions, and denial-of-service attacks that must be addressed using a unified threat management solution even if all of the capabilities are not utilized simultaneously. Since these security applications are ideally run at the network edge, there is no reason to maintain other gateway functions like VPN and Firewall in separate appliances from email scanning, provided throughput performance is not degraded.

It is now the general consensus that an all-in-one, unified threat management (UTM) appliance is able to provide performance greater than or equal to that of a single application appliance deployed by service providers and enterprise IT. This is good news for small and mid-size business managers who benefit the most from an integrated approach that reduces complexity and cost associated with single application appliances. Plus, a UTM approach allows for simpler optimization of their multi-function roles for customer specific needs provided easy-of-use in both management and reporting are a design attribute. High



BroadScan™ Spam-Virus Firewall Appliances

performance platforms such as Intel's IXP and industrial IPCs now offer attractive alternatives to custom built hardware.



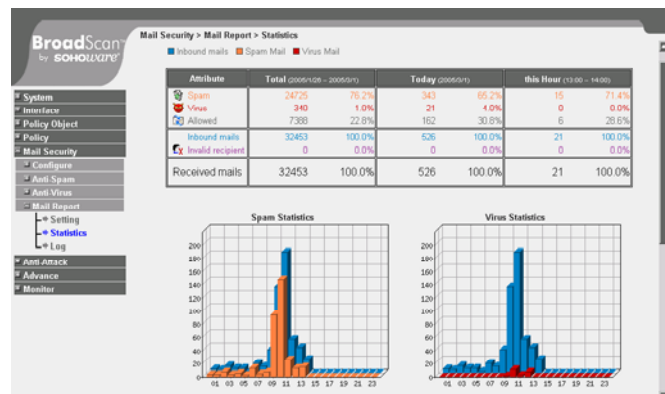
BroadScan™ Multi-Layer Email Scanning

As a result, the opportunities for UTM appliance vendors to differentiate are through improved performance, beneficial feature sets, ease-of-use and affordability. So far, the industry has used a mix of per-box price with per-user license fees, as well as, virus, Spam and IDS/IPS signature update subscription fees; in many cases the add on fees accumulate to 4X the original cost of the appliance over 5 years.

SOHware has taken the industry's boldest step in doing away with recurring subscription and license fees. BroadScan™ Spam-Virus Firewalls are Intel based, high performance all-in-one appliances that provide all the security needs of an SMB network, including the real-time filtering of Spam, Viruses and Spyware, at one fixed price with no subscription charges for signature updates. Additional features include a deep packet Firewall with full IDS/IPS, AAA RADIUS, QoS,

VPN, WAN Load Balancing and detailed reporting and logging. BroadScan's intuitive user interface reduces deployment set up time to minutes and displays statistics graphically to simplify the network manager's job of monitoring and responding to threats. BroadScan™ is feature rich, robust and cost effective, an approach that VARs who target SMB network applications are finding attractive and easier to sell.

New to BroadScan™ is a full featured intrusion protection system that includes both heuristic behavior learning and signature database matching to optimize responsiveness to ongoing threats within and without the network. IDS/IPS expands the options available to network managers to assign risks and define alerting levels to a range of threats, with policy options to quarantine certain user groups for targeted monitoring. This type of extensive threat analysis is an essential tool in keeping pace with the rapidly evolving nature of network security vulnerabilities.



Performance and Statistical Modeling

The BroadScan™ family is available for a range of network sizes, including a desktop gateway for small offices and two rack mount appliance models for SMB and distributed Enterprise. All BroadScan™ models feature the scanning of Spam, viruses, Spyware and other threats that paralyze email communications, and are available to VAR partners at one highly affordable price that includes automatic signature updates for 5 years. Similar products from other appliance vendors do not offer the comprehensive features available in BroadScan™ without one or multiple annual subscription contracts to maintain their feature updates. With SOHware's VAR-Direct business model (no distributors involved) that

eliminates subscription based updates, BroadScan™ presents another high value category for our VARs to offer their SMB customers.

Features of the BroadScan™ Family

Purpose built with the needs of small and medium business in mind, the BroadScan™ Spam-Virus Firewall solutions achieve enterprise-class security with ease of use and minimal administration. Features include:

1. High Performance Spam Protection

- Integrated security against Spam with superior anti-spam performance
- Spam Stamp and Quarantine support
- Spam fingerprint checking
- Bayesian algorithm
- RBL (Real-Time Blacklist) checking
- Personal rule (for specific person)
- Whitelist / Blacklist
- Global rule (for everyone)
- Auto-training by collecting the mails of Whitelist / Blacklist
- Auto-training by collecting the mails of Spam or Ham (Non-Spam) accounts
- Mail Relay to prevent Spammer use BroadScan™ to use as an open-relay server Mail Account
- Mail Notice -- sent to users to allow viewing of spam subjects

2. Anti-Virus / Anti-Spyware engine

- Clam virus signature database
- Every 10 minute virus signature updates
- Integrated Anti-Virus Bayesian filter approach that protects against virtually all Polymorphic or self-encoding viruses
- Stealth or invisible viruses in HTTP/FTP transfers
- New viruses for Java applets
- Macro-viruses infecting Microsoft documents from MS Office programs
- Network worms
- Trojans

3. Firewall and Intrusion Protection (IDS/IPS)

- Stateful (SPI) firewall
- Intrusion detection database with over 2000 intrusion signatures
- Risk assignment and threat prevention
- Denial-of-Service prevention (DoS, DDoS, and internal DoS)
- Real time threat logging and alerting

4. VPN

- IPSec/IKE engine with 3DES AES
- PPTP client and server
- Interoperability with major hardware and client software VPN

5. Content Filtering and Access Control

- URL and script blocking
- Content and Attachment Controls
- P2P and IM application blocking
- AAA RADIUS Support (RADIUS client)

6. WAN Load Balancing (for model SCL2000)

- Dual WAN support

- Separate DMZ port
- Inbound and outbound load balancing
- ISP Fail-over support
- High Availability Support

7. **Bandwidth Management and Voice Support**

- Guaranteed bandwidth
- Prioritized utilization
- QoS with SIP support

8. **AAA Support**

- Internal user database
- RADIUS client for external enterprise RADIUS
- Inbound and outbound policy management
- User activity reports

9. **Statistics and Reporting**

- Intuitive graphical statistics models
- Comprehensive statistics; number of virus, spam filtering reports
- Detailed event reporting with email and Windows based alerts

10. **BroadScanConnection™ Update Service**

- Providing on-going once every 10 minutes updates
- Anti-Spam, Anti-virus updates
- Software updates

Product Positioning

BroadScan™ represents a powerful, easy-to-manage and affordable all-in-one security appliance for SMB and distributed Enterprise customers. The 'No Subscription or License Fee' model represents the best ROI security appliance value for SMB VARs.