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StoneGate High Availability Firewall and Multi-Link VPN Appliance Datasheet

SG-500-50 and SG-500-100

With five 10/100 Mbps Fast Ethernet network interfaces, the SG-500e supports small-scale network segmentation, clustering for uninterrupted operations and multi-homing configurations. The SG-500e solution is managed remotely and upgraded from the centralized Management Server. The SG-500e FW/VPN Gateway is licensed according to firewall and VPN throughput. The basic performance of SG-500-50 can be upgraded with a software license, which protects the customer's investment, as there is no need to change the hardware to achieve higher performance.



SG-500-50 and SG-500-100

Firewall

- Patented Multi-Layer Inspection™
- Protocol agents for application-level security
- Hierarchical security policies, with sub-rule bases
- Drag-and-drop rule base configuration
- Automatic anti-spoofing
- Authentication server high availability
- Failsafe policy upload
- DHCP Relay support
- Dynamic IP address support on the firewall
- Blacklisting/whitelisting with IPS
- Quality of Service and Bandwidth Management
- HTTP deep packet inspection

VPN

- IPsec compliant
- Site-to-site VPN tunnels: full-mesh / star topology, Hub topology for mobile VPN
- Drag-and-drop VPN configuration

Advanced VPN Client

- Free VPN client with integrated personal firewall
- Supports multiple authentication methods, including smart cards, certificates, tokens and LDAP
- Optional application security feature: monitor and control application access to/from the network
- Utilizes Multi-Link on the StoneGate Gateway

Gateway Clustering

- Active-active up to 16 nodes
- Drop-In-Clustering mode
- Load balancing and transparent failover connections
- ISP Multi-homing and route optimization
- Bandwidth aggregation of any mixture of DSL, T1, T3, cable etc.

VPN High Availability

- Routing for fastest gateway-to-gateway connection
- Transparent VPN tunnel failover (ISP or gateway failure)
- Standby mode for backup links (e.g., frame relay, ISDN)
- VPN throughput aggregation

Server Load Balancing

- Server load balancing with agents

Centralized Management

- “Define-once, use-everywhere” network elements
- Failsafe remote upgrade
- Audit trail of admin actions
- Rule base analysis tool
- Rule base templates and sub-rule bases for improved efficiency and performance
- Easy system backup and restore
- Role-based system administration
- Drag-and-drop routing
- Visual network layout for status monitoring and configuration planning
- All communications are encrypted and authenticated
- State overview of connectivity, node, and security status
- Configuring and modifying multiple elements at once
- Security incident handling and documentation tool

Centralized Log Management

- Fast log browser that consolidates all the log and alert information to a single view
- Support for multiple log servers
- Log filtering for browsing, exporting, and pruning
- Scheduled log data export and manipulation
- High performance log server

Monitoring And Alerting

- Graphical, live monitoring of traffic and load statistics
- Connection and blacklist monitoring
- Configurable alert escalation
- Built-in test system: auto recovery option

Reporting

- System reports and drag-and-drop customized reports
- Reports exportable as PDF-files
- Data selection using filters
- Data shown as charts or tables or both
- Data combined from several log servers
- Reports created periodically and/or manually
- Customizable report templates

Technical Specifications

StoneGate Firewall and VPN Specifications

Integrated Operating System, Packet Filtering, Stateful Inspection, Application-Level Inspection, Circuit-level firewall with TCP proxy protocol agent, IPsec based site-to-site and mobile VPN

Firewall Protocol Agents

FTP, HTTP, H.323, SMTP, SSH, Oracle SQL Net, RSH NetBios Datagram, SunRPC, MS RPC, TFTP, TCP Proxy

VPN Protocols

IPsec, AES, 3DES, Blowfish, CAST-128, DES, Twofish, IKE, MD5, SHA-1, PKI (x.509)

User Authentication

RADIUS, TACACS+, LDAP(S), Internal user database

Management

Remote, centralized enterprise management with StoneGate Management Center, Java-based GUI, encrypted and authenticated connections

Software Upgrades	Remote upgradeable
Logging Methods	Direct file logging, Syslog, advanced filters
Alert Methods	E-Mail, SMS (text message), SNMP trap, User-defined scripts

Administration

Multiple administration accounts, simultaneous administration, three different administrator levels, view-only live log monitoring for xSP customers, distributed enterprise offices and help desks.

Certifications

Common Criteria EAL4+ (Firewall + VPN + HA v.2.0.5), FIPS-140-2, ICSA firewall and ICSA IPsec

Safety/EMC Certification

FCC, CE, CB

Appliance Specifications

Software
Network interfaces
Licensed Firewall Performance
Licensed AES VPN Performance

SG-500e-50

StoneGate Firewall Engine (preloaded)
5 x 10/100BASE-TX, autosensing
50 Mbps
20 Mbps

Yes, active/active with up to 16-node, clusters, stateful failover (including VPN connections)
Yes, high availability and load balancing between multiple ISPs (including VPN connections)
Unlimited users
1 x serial port
220 x 50 x 254 mm (8.8" x 2" x 10.16")
2.06 kg (4.5 lbs.)
Full range AT 44W PSU, 100-240V, 47-63 Hz

SG-500e-100

StoneGate Firewall Engine (preloaded)
5 x 10/100BASE-TX, autosensing
100 Mbps
40 Mbps

High Availability
ISP Multihoming
of protected IPs
Connectors
Dimensions (W x H x D)
Weight
Power Supply

Support Options

Warranty	One-year limited hardware warranty
Premium Support	24/7-call logging via Web and phone, two-hour response time, software updates, hardware replacement service
Basic Support	8/5-call logging via Web and phone, next business day response time, software updates, hardware replacement service

Single Site Licencing

SG-500e VPN and Firewall	APP-SGS-500e-50	APP-SGS-500e-100
First Year Premium Support	P-APP-SGS-500e-50	P-APP-SGS-500e-100
First Year Basic Support (8x5)	M-APP-SGS-500e-50	M-APP-SGS-500e-100

Enterprise Licencing

SG-500e VPN and Firewall	APP-SG-500e-50	APP-SG-500e-100
First Year Premium Support	P-APP-SG-500e-50	P-APP-SG-500e-100
First Year Basic Support (8x5)	M-APP-SG-500e-50	M-APP-SG-500e-100





Stonesoft Experience

Stonesoft Corporation (HEX: SFT1V) is an innovative provider of integrated network security and business continuity. Stonesoft is a global company focused on enterprise level customers requiring advanced network security and always-on business connectivity with low TCO, best price-to-performance ratio, and highest ROI.

StoneGate™ Platform unifies firewall, VPN and IPS, blending network security, end-to-end availability and award-winning load balancing into a unified and centrally managed system for distributed enterprises.

Founded in 1990, Stonesoft Corporation has corporate headquarters in Helsinki, Finland; Americas headquarters in Atlanta, Georgia; and Asia Pacific headquarters in Singapore.

The StoneGate Platform

The StoneGate Platform lowers the risks of doing business in a digitalized world. StoneGate appliances and software provide secured, optimized, and resilient connectivity for converged services, while preventing damage from attacks. With the help of unified management you can cost-efficiently manage and monitor the security and connectivity in your network.

Secured, Optimized, and Resilient Connectivity

With StoneGate Firewall/VPN, you can connect your offices with each other reliably and fault-tolerantly using Site-to-Site VPN, ISP Multi-homing with Multi-Link VPN Technology, Firewall/VPN and IPS Sensor Clustering and Load Balancing, Server Load Balancing, and Quality of Service and Bandwidth Management

Preventing the Damage from Attacks

StoneGate guards your network with StoneGate Firewall and with StoneGate IPS. StoneGate Firewall enforces your security policy, prevents denial-of-service attacks, and drops malicious http traffic. StoneGate IPS stops attacks and non-authorized traffic as well as protects unpatched servers before they are updated.

Unified Management

The StoneGate Management Center delivers an innovative and holistic approach for role-based administration through a single, centralized management system. Forming the heart of the StoneGate Platform, the Management center provides unified tools for Security Enforcement, for Security Surveillance, and for Systems and Data management.

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