

StoneGate™ FW-5000

July 2010



StoneGate™ High Availability Firewall VPN Appliance Datasheet

The StoneGate™ FW-5000 FW/VPN appliance is a firewall solution designed to meet the performance and scalability requirements of data centers and large central sites. It has up to 22 interfaces providing flexible network segmentation at the perimeter or internal networks requiring enterprise level performance. For networks requiring thorough segmenting StoneGate FW-5000 FW/VPN offers a reliable and cost efficient firewall solution.

In these demanding environments StoneGate FW-5000 FW/VPN provides not only reliable data security but also high-availability features, which guarantee continuous information flow. Built-in firewall clustering, server load balancing and the possibility to utilize reserve capacity on overloaded Internet connections guarantee continuous network connectivity.

The robust construction of StoneGate FW-5000 ensures that appliance serves well even in the most demanding environment. Triple redundant power supply units (PSUs) together with duplicate RAID hard drives and fans ensure that the appliance keeps working even if one PSU, or even two, goes down. StoneGate FW-5000 and all other StoneGate appliances offer comprehensive network security with easy configuration and unified management. This ensures an optimized solution for any geographically dispersed enterprise deployment.

STONESOFT

Secure Information Flow

StoneGate™ FW-5000 Specifications



Specifications

General	Application level inspection, stateful inspection, packet filtering, circuit level firewall with TCP proxy protocol agent. Integrated operating system.
Firewall protocol agents	FTP, H.323, HTTP, HTTPS, IMAP4, MS RPC, NetBios Datagram, Oracle SQL Net, POP3, RSH, SIP, SMTP, SSH, SunRPC, TCP Proxy, TFTP
VPN Protocols	IKEv1, IPsec
Encryption	AES-128, AES-256, AES-GCM, Blowfish, DES, 3DES*
Message Digest Algorithms	AES-XCBC-MAC, MD5, SHA-1, SHA-256
Diffie-Hellman	DH group 1, 2, 5 and 14
Authentication	RSA and DSS signatures with X.509 certificates, pre-shared keys, hybrid XAUTH
Compression	IPCOMP Deflate
User Authentication	Internal user database, LDAP, MS Active Directory, RADIUS, TACACS+

Features

High availability	Active/active firewall clustering up to 16 nodes, Active/standby, Stateful failover (including VPN connections), Server loadbalancing, VRRP, Link aggregation, 802.3ad
ISP multihoming	Multi-Link: High availability and load balancing between multiple ISPs including VPN connections
IP address assignment	FW clusters: Static, FW single nodes: static, DHCP, PPPoE, IPv4, IPv6 Services: DHCP Server and DHCP relay
Traffic management, QoS	Guaranteed & Maximum bandwidth, Prioritization, Differentiated Services Code Point (DSCP) matching / marking SYN flood limiting, concurrent session limiting
SIP	Allows RTP media streams dynamically, NAT traversal, deep inspection, interoperability with RFC3261 compliant SIP devices
SSL inspection	Decrypts the SSL and inspects the HTTP stream protecting web clients and/or servers
Dynamic multicast routing	IGMP proxy

UTM features

Standard	Deep inspection and IPS fingerprinting for HTTP, IMAP4, POP3, SIP and SMTP
Optional with additional license	Category based Web filtering

Management and Monitoring

Centralized StoneGate Management Center	Enterprise level centralized management, logging and reporting system. See more details from StoneGate Management Center datasheet.
SNMP monitoring	SNMPv1, SNMPv2c and SNMPv3

Certificates

Common Criteria	Common Criteria EAL4+ (Firewall + VPN + HA)
VPNC IPsec	Yes
ICSA Firewall	Yes

Licensed Performance

Firewall throughput	4 Gbps
VPN throughput	1 Gbps

VPN tunnels	10 000
Concurrent connections	2 000 000
Connections/sec	50 000
Number of Protected IPs	Unlimited
Concurrent mVPN Clients	Unlimited
VLANs	Unlimited
Deep inspection throughput	1.2 Gbps
SSL inspection client/server	150 Mbps / 150 Mbps

Hardware

Network interfaces

See details in the "Product codes" section below.

Connectors

4 x USB, 1 x serial, VGA, PS/2 keyboard

Measurements

Form factor	3U 19" rack unit
Dimensions (W x H x D)	450 x 132 x 647 mm / 17.7 x 5.2 x 25.5 inches
Weight	32.7 kg / 72.09 lbs

Safety/EMC Certifications

FCC, CE, CB

Power

FW-5000 **FW-5000L**

Typical power consumption	462 W	416 W
Power supply	760W hot swappable triple redundant PSUs, 100-240V, 50-60Hz, 14/7 Amp	

Other

Operating temperature/humidity	10—35°C (50—95°F) 8%—90%, non condensing humidity (RH)
Storage temperature/humidity	-40—70°C (-40—158°F) 5%—95%, non condensing humidity (RH)
MTBF	100 000 hours

Support

Replacement service	15 months or 39 months replacement service for non-complying hardware
Premium support	24/7-call logging via web, email and phone, two-hour response time, software updates, hardware replacement service
Basic support	8/5-call logging via web, email and phone, next business day response time, software updates, hardware replacement service

Product codes**

of interfaces

StoneGate FW-5000 appliance	copper : 10/100/1000 Mbit/s	fiber : 1000BASE-SX 1000 Mbit/s
APP-FW-5000	22	0
APP-FW-5000F1	18	2
APP-FW-5000F2	14	4
APP-FW-5000F3	10	6
APP-FW-5000F4	6	8
APP-FW-5000L	14	0
APP-FW-5000LF1	10	2
APP-FW-5000LF2	6	4

Add-on product code

FP-1Y-WF2-137	Optional one year web filtering for FW-5000
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