

StoneGate™ FW-310

June 2011



StoneGate™ High Availability Firewall/VPN Appliance Datasheet

The StoneGate™ FW-310 FW/VPN appliance is a firewall solution designed for small networks with tens of users, and for low traffic sites or branch offices. With four interfaces StoneGate™ FW-310 offers also the possibility for small-scale network segmentation.

StoneGate™ FW-310 provides not only reliable data security but also high availability features, which guarantee your network continuity. Built-in firewall clustering, server load balancing and the possibility to utilize reserve ISP capacity on overloaded Internet connections ensure continuous network services.

StoneGate™ FW-310 provides comprehensive protection with Unified Threat Management features such as Web filtering, intrusion prevention for e-mail, HTTP, and VoIP, and anti-virus scanning for e-mail and HTTP protocols. It also provides DHCP for remote offices.

Secure information flow to and from remote offices

- Remote offices require direct Internet connections
- Comprehensive protection against inbound and outbound attacks
- Employees want to use Webmail accounts for private communication
- Remote office computers do not always have the latest security updates

StoneGate™ FW-310 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, IKEv2, IPsec, with IPv4, IPv6
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, 14, 19, 20, 21
Authentication	RSA, DSS, ECDSA 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

	FW-310L	FW-310
High availability	Active/standby	Active/active firewall clustering up to 16 nodes, Server loadbalancing
	Stateful failover (including VPN connections), VRRP	
ISP multihoming	Multi-Link: High availability and load balancing between multiple ISPs including VPN connections, Multi-Link VPN link aggregation, QoS based link selection	
IP address assignment	FW clusters: Static, IPv4, IPv6 FW single nodes: static, DHCP, PPPoE, IPv4, static IPv6 Services: DHCP Server and DHCP relay for IPv4	
Traffic management, QoS	Guaranteed & Maximum bandwidth, Prioritization, Differentiated Services Code Point (DSCP) matching / marking, SYN flood limiting, concurrent session limiting	
Access control	Advanced access control with interface zones, domain names, user information and applications	
SIP	Allows RTP media streams dynamically, NAT traversal, deep inspection, interoperability with RFC3261 compliant SIP devices	
SSL inspection	-	Decrypt the SSL and inspects the HTTP stream protecting web clients and/or servers
Dynamic routing	IGMP proxy, RIPv2, OSPFv2, PIM-SM	

UTM features

Standard	Deep inspection and IPS fingerprinting for HTTP, IMAP4, POP3, SIP and SMTP, Anti-virus engine for web and e-mail traffic
Optional with additional license	Category based Web filtering Anti-spam for SMTP email

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	FW-310L	FW-310
Firewall throughput	100 Mbps	500 Mbps

VPN throughput	25 Mbps	60 Mbps
VPN tunnels	100	100
Concurrent connections	50 000	200 000
Connections/sec	750	2 000
Number of protected IPs	Unlimited	Unlimited
Deep inspection throughput	50 Mbps	100 Mbps
SSL inspection for client/server	- / -	10 Mbps / -
Server loadbalancing	-	yes
Concurrent mVPN clients	-	25
VLANS	16	32
Management count	0.5	1

Hardware

Network interfaces	
Ethernet	4 x 10/100/1000 copper

Connectors	
	2 x USB, 1 x serial

Measurements	
Form factor	desktop
Dimensions (W x H x D)	272 x 49 x 193 mm / 10.71" x 1.93" x 7.60" inches
Net weight	2.0 kg / 4.4 lbs
Gross weight	3.6 kg / 7.9 lbs

Safety/EMC Certifications	
	CE, FCC Class B, LVD, CB, Gost-R, RoHS

Power	
Power supply	60 W, AC Input 100-240 V, 50-60 Hz, external PSU
Typical power consumption	48 W

Other	
Operating temperature/humidity	5—40°C (41—104°F) 5%—90%, non condensing humidity (RH)
Storage temperature/humidity	0—75°C (+32—167°F) 5%—95%, non condensing humidity (RH)
MTBF	70 000 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**	
APP-FW-310	StoneGate FW-310 appliance
APP-FW-310L	StoneGate FW-310L appliance
APP-RACK-310	Rack mounting kit for StoneGate FW-310 appliance
FP-1Y-WF2-143	Optional one year web filtering subscription for FW-310
FP-1Y-WF2-144	Optional one year web filtering subscription for FW-310L
FP-FW-MVPN-10	10 concurrent Mobile VPN users for FW-310L
FP-1Y-AS-6	Optional one year anti-spam subscription for FW-310
FP-1Y-AS-7	Optional one year anti-spam subscription for FW-310L