

StoneGate™ FW-5100

July 2010

StoneGate™



StoneGate™ High Availability Firewall VPN Appliance Datasheet

The StoneGate™ FW-5100 FW/VPN appliance is a firewall solution designed to meet the performance and scalability requirements of data centers, large network central sites, MSP or other operator environments demanding a 10 Gbps capacity. The FW-5100 has up to 18 interfaces providing fast and flexible network segmentation at the perimeter or internal networks requiring high performance.

In these demanding environments StoneGate™ FW-5100 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-5100 ensures that appliance serves well even in the most demanding environment. Redundant power supply units (PSUs) together with duplicate RAID hard drives and fans ensure that the appliance keeps working even if one PSU goes down.

StoneGate™ FW-5100 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-5100 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, Priorization, 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	10 Gbps
VPN throughput	2 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	1.8 Gbps
SSL inspection throughput client/server	200 Mbps/200 Mbps

Hardware

Network interfaces	
Full copper version	18 x 10/100/1000 copper
Fiber versions	Fiber connector type is LC, 10 Gbit interface connector type is LC duplex. See more details in the "Product codes" section below.

Connectors	
	RS-232 serial console, 4 x USB

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"
Weight	32.7 kg / 72.09 lbs

Safety/EMC Certifications	
	FCC, CE, CB

Power	
Power supply	760W hot swappable redundant PSUs, 100-240V, 50-60Hz, 14/7 Amp
Typical power consumption	572 W

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**

APP-FW-5100	Full copper version StoneGate FW-5100 appliance
APP-FW-5100F1	14 x 10/100/1000 copper + 2 x 1000BASE-SX fiber StoneGate FW-5100 appliance
APP-FW-5100F2	10 x 10/100/1000 copper + 4 x 1000BASE-SX fiber StoneGate FW-5100 appliance
APP-FW-5100F3	6 x 10/100/1000 copper + 6 x 1000BASE-SX fiber StoneGate FW-5100 appliance
APP-FW-5100F4	2 x 10/100/1000 copper + 8 x 1000BASE-SX fiber StoneGate FW-5100 appliance
APP-FW-5100G1	10 x 10/100/1000 copper + 2 x 10GBASE SR fiber (850nm) StoneGate FW-5100 appliance
APP-FW-5100G2	10 x 10/100/1000 copper + 4 x 10GBASE SR fiber (850nm) StoneGate FW-5100 appliance

Add-on product code

FP-1Y-WF2-136	Optional one year web filtering subscription for FW-5100
---------------	--