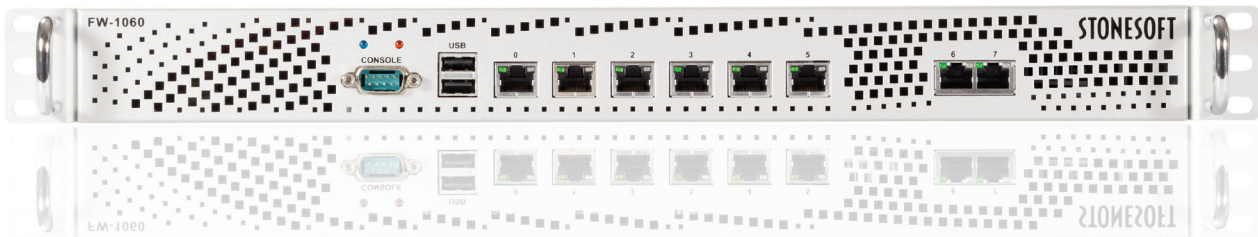


# StoneGate™ FW-1060

July 2011



## StoneGate™ High Availability Firewall/VPN Appliance Datasheet

The StoneGate™ FW-1060 FW/VPN appliance is a firewall solution designed for environments ranging from hundreds to few thousands of users.

Typically, FW-1060 is used at small enterprises or remote offices. In addition to perimeter protection, FW-1060 can be used to segment internal networks – for example to prevent computer worms from spreading and contaminating the internal network.

For perimeter protection and internal networks, StoneGate™ FW-1060 provides not only reliable data security but also high availability features, which guarantee continuous information flow. FW-1060 introduces a new generation of previously unseen features such as traffic inspection and SSL decryption, which enable decryption and inspection of the traffic going through the firewall. The StoneGate™ FW-1060 includes the company's patented Multi-Link® technology which ensures seamless network failover in the event of Internet outages, along with firewall clustering and server load balancing. These technologies can eliminate the need for expensive private connections, like MPLS, and load balancers. Solid-state disk technology now replaces hard disks, providing a more reliable and durable storage system.

Combined with any StoneGate™ Intrusion Prevention System, FW-1060 forms a multi-dimensional defense system, where several security layers communicate seamlessly together. This field-proven technology expands comprehensive protection to the whole network and raises network protection to a previously unseen level.

StoneGate™ FW-1060 and all other StoneGate™ appliances offer comprehensive network security with easy configuration and unified management. This ensures increased security and performance and lower cost of administration for any geographically dispersed enterprise deployment.

# StoneGate™ FW-1060 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

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, 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, Priorization, 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
Optional with additional license	Anti-virus engine for web and email protocols Anti-spam for SMTP email 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

VPNC IPsec	Yes
ICSA Firewall	Yes (FW-310)

## Licensed Performance

	FW-1060	FW-1060P
Firewall throughput	1.6 Gbps	3.6 Gbps
VPN throughput	300 Mbps	600 Mbps
VPN tunnels	5 000	5 000
Concurrent connections	1 000 000	1 500 000
Connections/sec	20 000	20 000
Number of Protected IPs	Unlimited	Unlimited

Number of Protected IPs	Unlimited	Unlimited
VLANs	250	300
Concurrent mVPN Clients	150	200
SSL inspection throughput	80 Mbps	80 Mbps
SSL inspection client / server side	yes/yes	yes/yes

## Hardware

### Network interfaces

Product	Ethernet copper	Gigabit ethernet SFP ports
FW-1060 / FW-1060P	8 x 10/100/1000 Mbps	0
FW-1060 SFP / FW-1060P SFP	6 x 10/100/1000 Mbps	2
Connectors	2 x USB, 1 x serial	

### Measurements

Form factor	1U 19" rack unit
Dimensions (W x H x D)	425 x 44 x 362 mm / 16.73 x 1.73 x 14.25 inches
Net weight	5.7 kg / 12.57 lbs
Gross weight	8.7 kg / 19 lbs

### Safety/EMC Certifications

	CE, FCC, CB, Gost-R, RoHS
--	---------------------------

### Power

Power supply	180 W, AC input 100-240 VAC, 50-60 Hz
Typical power consumption	92 W

### Other

Operating Temperature/ Humidity	+5—+35°C (+41—+95°F) 5%—95%, non condensing humidity (RH)
Storage Temperature/ Humidity	-20—+70°C (-4—+158°F) 5%—95%, non condensing humidity (RH)
MTBF	120 000 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-1060-C3	StoneGate FW-1060 appliance
APP-FW-1060-C3-P	StoneGate FW-1060P appliance
APP-FW-1060-C5	StoneGate FW-1060 SFP appliance
APP-FW-1060-C5-P	StoneGate FW-1060P SFP appliance

### Add-on product codes

FP-1Y-FW-AV2	Optional one year anti-virus subscription for FW-1060 and FW-1060P
FP-1Y-WF2-140	Optional one year web filtering for FW-1060
FP-1Y-WF2-139	Optional one year web filtering for FW-1060P
FP-1Y-AS-4	Optional one year anti-spam subscription for FW-1060 and FW-1060P

### SFP transceivers

MOD-SFP-GE-SX	Gigabit Ethernet SFP transceivers 1000BaseSX, LC
MOD-SFP-GE-LX10	Gigabit Ethernet SFP transceivers 1000BaseLX10, LC
MOD-SFP-GE-TX	Gigabit Ethernet SFP transceivers 1000BaseTX, RJ-45