

StoneGate™ FW-5205

June 2011



StoneGate™ High Availability Firewall VPN Appliance Datasheet

The StoneGate™ FW-f 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 performance up to 50 Gbps. The FW-5205 is a scalable modular appliance that has 6 interface card slots with support of up to 38 Gigabit Ethernet interfaces or up to six 10 Gigabit interface together with twenty 1 Gigabit interfaces. Different interface modules provide fast and flexible network segmentation at the perimeter or internal networks requiring high performance.

In these demanding environments StoneGate™ FW-5205 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-5205 ensures that appliance serves well even in the most demanding environment. Redundant power supply units (PSUs) together with Solid state disc drives ensure that the appliance is always protecting network resources.

StoneGate™ FW-5205 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.

StoneGate™ FW-5205 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	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

Firewall throughput	50 Gbps
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VPN throughput	12 Gbps
VPN tunnels	40 000
Concurrent connections	15 000 000
Connections/sec	150 000
64 byte PPS	3 500 000
Number of Protected IPs	Unlimited
Concurrent mVPN Clients	Unlimited
VLANs	Unlimited

Hardware

Network interfaces

Fixed	2 x 10/100/1000 Mbps
Module slots	6 (Available modules listed at the product codes section)

Connectors

	4 x USB, 1 x serial, VGA, IPMI Ethernet
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Measurements

Form factor	3U 19" rack unit
Dimensions (W x H x D)	437 x 132 x 648 mm / 17.2" x 5.2" x 25.5"
Net weight	24.8 kg / 54.67 lbs
Gross weight	34.3 kg / 75.62 lbs

Safety/EMC Certifications

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

Power supply	1 + 1 Redundant 800 + 800 W, AC Input 100-240 VAC, 50-60 Hz
Typical power consumption	300W - 500W

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-5205-C1	Firewall FW-5205 appliance
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Express modules

MOD-EM1-GE-6	Six Port Gigabit Ethernet Copper Express Module
MOD-EM1-GE-SFP-4	Quad Port SFP Gigabit Ethernet Express Module
MOD-EM1-10G-SFP-2	Dual Port (SFP+) 10GB Express Module (max 3 per appliance)

Add-on product codes

FP-1Y-WF2-169	Optional one year web filtering for FW-5205
SP-PSU-DC-5200	DC Power supply for 5200 Series