

StoneGate™ IPS-6100

July 2010

StoneGate™



StoneGate™ High Availability IPS Appliance Datasheet

StoneGate™ IPS-6100 Intrusion Prevention System is a proactive defense system designed to detect malicious packets within regular network traffic and prevent intrusions by blocking the offending traffic automatically before any damage occurs.

StoneGate IPS-6100 features 2 Gbit/s throughput and is designed for accurate intrusion prevention in large internal networks at main site or before critical servers. It can be used as an inline IPS and IDS Sensor or combined Sensor-Analyser.

The StoneGate IPS-6100 sensor can protect up to four inline segments. They have a bypass interface pair for each inline segment and two standard Ethernet interfaces. Standard interfaces can be used as capture interfaces for intrusion detection and one of them is needed for StoneGate management traffic.

Combined with StoneGate Firewall, IPS-6100 with transparent access control forms a multidimensional defense system where several security layers communicate seamlessly together. This field-proven technology provides comprehensive protection of the whole network, raising network security to a previously unseen level.

StoneGate IPS-6100 and all other StoneGate appliances offer comprehensive network security with easy configuration and unified management. This also guarantees an optimized solution for any geographically dispersed enterprise deployment.

STONESOFT

Secure Information Flow

StoneGate™ IPS-6100 Specifications



Key Features

Protects	Vulnerable applications and operating systems from network attacks against client and server vulnerabilities
Detects	Buffer overflow, Worm, Spyware, DoS/DDoS, Backdoor, Trojan, Reconnaissance, Potential compromise, Suspicious traffic, Zero-day, P2P, IM, Streaming protocols
Web filtering	Category based Web filtering solution containing millions of URLs in 77 categories guarantees accurate visibility and control for Web browsing. Optional with additional license.
Number of detection signatures	3 500 +

Deep Inspection

Protocol agents	Full protocol decode and analysis – Ethernet, IPv4, IPv6, ICMP, UDP, TCP, DNS, FTP, HTTP, IMAP, SMTP, SSH, NBT, SMB, MSRPC, POP3, SIP, TFTP, HTTPS (SSL/TLS)
Misuse detection	Protocol specific fingerprints for more than 170 protocols and applications
DoS/DDoS detection	Syn flood, UDP flood, Connection flood
Reconnaissance	TCP/UDP/ICMP scan, stealth and slow scan detection

Access Control

Application	Network application identification and control – P2P, IM, Web browsers, streaming remote control and tunneling protocols
IPv4/IPv6	Stateful access control and logging.
Ethernet	Packet filtering and logging for any Ethernet traffic (Dix/IEEE)

Features

High availability and clustering	Inline Serial clustering (active-active/active-passive) IDS clustering (active-active/active-passive)
Layer-2 Firewall	Layer-2 transparent, next generation firewall protection
SSL Inspection	SSL client stream decryption and inspection SSL server stream decryption and inspection
VLAN Inspection	Maximum number of inspected VLANs (802.1q) is 4094
Dynamic overload handling	Prioritizing continued connectivity over inspection coverage under IPS overload situation (configuration option)
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

Certifications

ICSA NIPS Certified	Continuous testing by ICSA Labs
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Licensed Performance

Throughput	2 Gbps
New connections/sec	40 000

SSL inspection throughput	150 Mbps
Latency	< 150 microseconds
Transparent layer-2 Firewall	yes
Web filtering	optional, activated with license
SSL inspection	optional, activated with license
Connectors	4 x USB ports, 1 x serial port

Hardware

Network interfaces

Full copper version	16 x bypass interfaces 10/100/1000 copper 2 x standard interfaces 10/100/1000 copper
Full fiber version	8 x bypass interfaces 1000Base-SX/LX fiber 2 x standard interfaces 10/100/1000 copper
Mixed version	8 x bypass interfaces 1000Base-SX/LX fiber** 2 x standard interfaces 10/100/1000 copper Fiber connector type is LC

Measurements

Dimensions (W x H x D)	3U-19" rack unit, 450 x 132 x 647 mm/ 17,7" x 5,2" x 25.5"
Weight	32,7 kg/72,09 lbs

Safety/EMC Certifications

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

Power supply	760W hot swappable redundant PSUs, 100-240V, 50-60Hz
Max typical power consumption	526 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-IPS-6100C	StoneGate IPS-6100 appliance
APP-IPS-6100CF1	StoneGate IPS-6100 appliance
APP-IPS-6100CF2	StoneGate IPS-6100 appliance
APP-IPS-6100CF3	StoneGate IPS-6100 appliance
FP-IPS-SSL2	SSL Inspection Feature pack
FP-1Y-WF2-146	One year Web filtering subscription for IPS-6100