

StoneGate™ IPS-6105

July 2010

StoneGate™



StoneGate™ High Availability IPS Appliance Datasheet

StoneGate™ 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-6105 features 10 Gbps 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-6105 sensor can protect up to two 10 Gbps and four 1 Gbps inline segments (eight 1 Gbps bypass interfaces and four 10 Gbps bypass interfaces). It has 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 for communication with StoneGate Management Center

Combined with StoneGate Firewall, IPS-6105 with transparent access control forms a multidimensional defense system where several security layers access control, intrusion prevention and application identification communicate seamlessly together.

This field-proven technology provides comprehensive protection of the whole network, raising network security to a previously unseen level.

StoneGate IPS-6105 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-6105 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
Number of detection signatures	3 000 +

Deep Inspection

Protocol agents	Full protocol validation and inspection for Ethernet, IPv4, IPv6, ICMP, UDP, TCP, DNS, FTP, HTTP, SMTP, SSH, NBT, SMB, MSRPC, SIP, IMAP, POP3
Misuse detection	Protocol specific fingerprints for more than 160 network protocols and applications like LDAP, MSSQL, MYSQL, Oracle, TFTP, PPTP, X11 (partial list)
DoS/DDoS detection	Syn flood, UDP flood, Connection flood
Reconnaissance	TCP/UDP/ICMP scan, stealth and slow scan detection

Access Control

Application	Application identification, access control and logging
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)
	Inbuilt bypass functionality (configurable bypass/normal)
Layer-2 Firewall	Layer-2 transparent, next generation firewall protection
SSL inspection	HTTPS client stream decryption and inspection
	HTTPS server stream decryption and inspection
VLAN Inspection	Maximum number of inspected VLANs (802.1q) is 4094

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

ICSA NIPS Certified	Continuous testing by ICSA Labs
---------------------	---------------------------------

Licensed Performance

Throughput	10 Gbps
SSL inspection	1 Gbps
SSL inspection for client/server	yes/yes
Latency	< 150 microseconds
Concurrent connections	1 000 000
Concurrent connections, cluster with 2-nodes	2 000 000

Connections/sec, tcp-handshake with data	130 000
Connections/sec, tcp-handshake	500 000
Connectors	RS-232 serial console, 4 x USB, VGA

Hardware

Network Interfaces

IPS-6105-C2	2 x 10/100/1000 Ethernet Copper Ports 8 x 10/100/1000 Ethernet Copper Bypass Ports 4 x 10 GBase-SR Ethernet Fiber Bypass Ports
IPS-6105-C3	2 x 10/100/1000 Ethernet Copper Ports 4 x 10/100/1000 Ethernet Copper Bypass Ports 4 x Base-SX Ethernet Fiber Bypass Ports 2 x 10 GBase-SR Ethernet Fiber Bypass Ports
Fiber connector type is LC, 10 Gbit interface connector type is LC duplex	

Measurements

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
--	---------------------------

Power

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

Other

Operating temperature/humidity	10—35°C (50—95°F) 8%—95%, 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-6105-C2	StoneGate IPS-6105 appliance
APP-IPS-6105-C3	StoneGate IPS-6105 Appliance
FP-IPS-ANZ4	Analyzer module for IPS-6105 appliance