

Stonesoft™ IPS-1302

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Stonesoft™ High Availability IPS Appliance Datasheet

Stonesoft™ 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.

The Stonesoft™ IPS-1302 has been designed for demanding Web and encrypted traffic inspection on high-utilized gigabit data center and modern corporate network environments. Utilizing the Stonesoft's Multi-layer Traffic Normalization and inspection technology, the Stonesoft™ IPS-1302 offers the highest level of security against Advanced Evasion Techniques (AET) without compromising traffic speed or availability across the network.

The Stonesoft™ IPS-1302 provides the flexibility in deployment for gigabit networks through the use of Network Modules and Small Form-factor Pluggable (SFP) transceiver modules. It has one interface module slot providing support for two Gigabit Ethernet bypass segments with different link media options.

Stonesoft™ IPS-1302 and all other Stonesoft appliances offer comprehensive network security with easy configuration and unified management. This ensures an optimized solution for any geographically dispersed enterprise deployment.

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Stonesoft IPS-1302 Specifications



KEY FEATURES

Protects	Vulnerable applications and operating systems from network attacks against client and server vulnerabilities.
Evasion protection	StoneGate IPS with Multi-layer Traffic Normalization features provides protection against Advanced Evasion Techniques (AET). IPS decodes and normalizes network traffic for inspection on all protocol layers. Vulnerability-based fingerprints block exploits in the normalized data stream. Antievasion features are upgraded in software maintenance versions.
Detects	Buffer overflow, Worm, Spyware, Backdoor, Trojan, DoS/DDoS, Reconnaissance, Potential compromise, Suspicious traffic, Zero-day.
Web filtering	Category based Web filtering solution containing millions of URLs in 90 categories guarantees accurate visibility and control for Web browsing. Optional with additional license.

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	Vulnerability based regular expression fingerprints Exploit based fingerprints Protocol independent fingerprint matching for any TCP/UDP protocols
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 for P2P, IM, 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	IPS clustering (active-active) IDS clustering (active-active/active-passive) Configurable bypass/normal network interfaces with Express Modules
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
Dynamic overload handling	Prioritizing continued connectivity over inspection coverage under IPS overload situation (configuration option)

Management and Monitoring

Centralized Stonesoft Management Center	Enterprise level centralized management, logging and reporting system. See more details from Stonesoft Management Center datasheet
SNMP monitoring	SNMPv1, SNMPv2c and SNMPv3

Certificates

ICSA NIPS Certified	Continuous testing by ICSA Labs, NSS Labs Certified
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Licensed Performance

HTTP throughput (21KB payload)	2 Gbps
New HTTP connections per second	10 000
UDP throughput (1514B packet size)	4 Gbps
New TCP connections per second	100 000
Concurrent TCP connections	3 000 000
SSL inspection	1 Gbps
Latency	< 150 microseconds
Transparent Layer-2 Firewall	Yes
Web filtering	Optional, activated with license

HARDWARE

Network Interfaces	
Ethernet	2 x 10/100/1000 Ethernet copper for Management connections
	1 x Express Module: <ul style="list-style-type: none">• 4 Port 10/100/1000 Bypass• 4 Port Gigabit Fiber (SX) Bypass• 2 Port 10 Gigabit Fiber (SR) Bypass• 2 Port 10 Gigabit Fiber (LR) Bypass
Connectors	Console RJ45, 2 x USB

Measurements	
Form factor	1U 19" rack unit
Dimensions (W x H x D)	426 x 44 x 400 mm / 16.77 x 1.73 x 15.7 inches

Safety / EMC Certifications	
	CE, FCC, CB, Gost-R, RoHS

Power	
Power supply	AC input: 100-240 VAC, 50-60 Hz, 250W, DC input: -72 - -36V, 200W
Typical power consumption	70-135 W

Other	
Operating temperature/humidity	+5—35°C (41—95° F) 10%—90% non-condensing humidity (RH)
Storage temperature/humidity	-20—75°C (-4—167°F) 10%—90%, 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-IPS-1302-C1	StoneGate IPS appliance, AC power supply
APP-IPS-1302-C2	StoneGate IPS appliance, DC power supply
FP-1Y-WF2	One year web filtering subscription for IPS-1302
APP-RACK-1302	Server rack mounting kit