



**STORMSHIELD**

UNIFIED THREAT MANAGEMENT SOLUTIONS AND NEXT-GENERATION FIREWALLS

# NETWORK SECURITY

NETWORK SECURITY | ENDPOINT SECURITY | DATA SECURITY

# VISION

## FUTURE-READY SECURITY

Because a security solution represents an investment for several years, Stormshield Network Security products offer the requisite modularity and features for **keeping abreast of future changes** in the information system.

## SEAMLESS SECURITY

In a “Bring-Your-Own-Everything” world, it has become even more of a challenge keeping users in check while **developing an agile corporation that moves with the times**. The only way for security to be effective is when it is seamless for both users and administrators.

## COLLABORATIVE SECURITY

When modern threats bypass conventional protection systems as routinely as they already do, a new security approach is imperative.

Stormshield Network Security solutions are built upon the concept of Multi-layer Collaborative Security. This holistic model, based on the **active collaboration between the security engines on our various solutions** marks the future of information system defense in depth.

## TRUSTED SECURITY

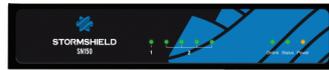
As trusted vendors, Arkoon and Netasq deploy **technologies that have been certified at the highest level in Europe** (EU RESTRICTED, NATO RESTRICTED, and ANSSI EAL4+). The awarded certifications and qualifications guarantee an adapted level of protection for the strategic data of even the most sensitive corporations and organizations

# COMPREHENSIVE RANGE

SN300



SN150



SN200



## UNIFIED SECURITY

SN510

SN910

SN710



## BUSINESS CONTINUITY IN COMPLEX ARCHITECTURES

SN2000

SN6000

SN3000



## FLEXIBILITY & PERFORMANCE FOR CRITICAL INFRASTRUCTURES

### AS WELL AS

#### STRENGTHENED SECURITY FOR VIRTUALIZED ENVIRONMENTS

Many organizations have opted for virtualization in order to streamline their IT infrastructure while at the same time enjoying the benefits of a technology that offers a significant decrease in the total cost of ownership (TCO), more simple operation, higher scalability and faster restoration in the event of a disaster.

To provide support for the choice they have made, Stormshield Network Security virtual appliances offer the same level of protection and the same wealth of features as those found on physical products in the range.

#### CLOUD-BASED SOLUTIONS

In order to allow corporations to deploy a virtual infrastructure in the cloud securely while maintaining full control, the feature-rich quality of Stormshield Network Security solutions can be found in the Stormshield Network Cloud UTM application dedicated to Amazon Web Service environments.

- Effective protection of virtualized servers, web services and applications in an Amazon Web Service Cloud
- Simplified implementation via the Amazon Web Service Marketplace



## ENSURE THE CONTINUITY OF YOUR BUSINESS

The new Stormshield Network Security appliances are the fruit of Arkoon's and Netasq's combined technologies. The experience and references we have acquired in sensitive environments with stringent technological requirements should reassure organizations of all sizes.

**All protection technologies needed for responding to the most sophisticated attacks are embedded** in the entire range.

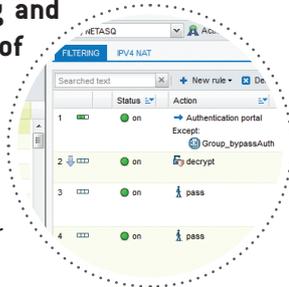
Stormshield Network Security's intrusion prevention system (IPS) combines targeted reactive databases with proactive analyses to detect known and unknown attacks.



## STAY IN CONTROL OF YOUR INTERNET USAGE

The Internet is an indispensable source of information and applications, but access to them must be guarded.

Thanks to **advanced filtering and the management of quality of service**, you can define the way you want the internet to be used and how and which visited websites will be scanned, including encrypted or Web 2.0 websites.



## SAVE TIME

The configuration of a security appliance is a crucial operation that must be as simple as it is thorough.

The administration interface on Stormshield Network Security products has been designed to be **ergonomic and intuitive in order to assist you in securing your corporate network quickly and with zero errors**.



## CONNECT COWORKERS

Shifting behavioral habits, the growing complexity of organizations or pressure from competition are factors that force corporations and their employees to hone their agility. Mobility, telecommuting, the use of personal mobile terminals for work are just a few of the new challenges that need to be taken on with total peace of mind.

With the virtual private network, (IPSec and SSL VPN), coworkers get **secure access to corporate resources regardless of where they are and from any terminal**. The SSL VPN feature adapts particularly well to BYOD environments.



## MANAGE VULNERABILITIES

Vulnerabilities on workstations and servers are open invitations to advanced threats that attempt to creep into the information system.

Stormshield possesses the only effective application and network vulnerability detection technology embedded in a single firewall/UTM solution: Stormshield Network Vulnerability Manager.

Using its network traffic scan, **obsolete or vulnerable applications on workstations and servers are detected in real time** and an adapted protection can be applied in a single click.



## KEEP YOUR COMMITMENTS TO COMPLIANCE

Stormshield Network Security products are a key component in ensuring compliance with standards, regulations and norms that require access control (PCI-DSS, ISO 27001 or the Data Protection Act, etc.).

# Specifications for hardware solutions

	Small businesses, Agencies, Branch offices			Mid-size organizations, Agencies			Large corporations, Datacenters		
	SN150	SN200	SN300	SN510	SN710	SN910	SN2000	SN3000	SN6000
<b>PERFORMANCE*</b>									
Firewall (1518 byte UDP)	400 Mbps	600 Mbps	800 Mbps	5 Gbps	10 Gbps	20 Gbps	30 Gbps	50 Gbps	130 Gbps
IPS (1518 byte UDP)	200 Mbps	600 Mbps	800 Mbps	3 Gbps	7 Gbps	12,5 Gbps	20 Gbps	30 Gbps	55 Gbps
IPS (1 Mbyte HTTP)	150 Mbps	600 Mbps	800 Mbps	1,7 Gbps	2,6 Gbps	7 Gbps	12 Gbps	14 Gbps	17 Gbps
Antivirus	55 Mbps	165 Mbps	200 Mbps	850 Mbps	1,6 Gbps	2,2 Gbps	3,2 Gbps	4 Gbps	4,7 Gbps
<b>NETWORK CONNECTIVITY</b>									
Concurrent connections	30,000	75,000	150,000	500,000	1,000,000	1,500,000	2,000,000	2,500,000	10,000,000
New connections per second	2,500	15,000	18,000	20,000	40,000	60,000	90,000	120,000	180,000
<b>VPN*</b>									
IPSec throughput (AES128-SHA1)	100 Mbps	250 Mbps	400 Mbps	1 Gbps	2,4 Gbps	4 Gbps	5 Gbps	6,5 Gbps	12 Gbps
IPSec VPN tunnels (Max)	25	50	100	500	1,000	1,000	5,000	5,000	10,000
Simultaneous SSL VPN clients	5	20	20	100	150	150	200	500	500
<b>HIGH AVAILABILITY (HA)</b>									
Active / passive	-	-	✓	✓	✓	✓	✓	✓	✓
<b>CONNECTIVITY</b>									
10/100/1000 Interfaces	1 + 4 ports (switch)	1 + 2x2 ports	8	12	8-16	8-16	10-26	10-26	10-58
1Gb fiber Interfaces	-	-	-	-	0-4	0-6	0-16	0-16	0-56
10Gb fiber Interfaces	-	-	-	-	0-2	0-2	0-8	0-8	0-28
<b>HARDWARE</b>									
Redundancy (SSD, Power supply)	-	-	-	-	-	-	-	✓	✓
Local Storage	-	SD Card**	SD Card**	320 GB	320 GB	128 GB SSD	128 GB SSD	128 GB SSD	256 GB SSD
Size	<0,5U - 19"	0,5U - 19"	0,5U - 19"	1U - 19"	1U - 19"	1U - 19"	1U - 19"	1U - 19"	2U - 19"

## Usage control

Firewall/IPS/IDS mode, identity-based firewall, application firewall, Microsoft Services Firewall, detection and control of the use of mobile terminals, application inventory, vulnerability detection, URL filtering (embedded database or cloud mode), transparent authentication (Active Directory SSO Agent, SSL, SPNEGO), multi-user authentication in cookie mode (Citrix- TSE), global/local security policy.

## Protection from threats

Intrusion prevention, protocol analysis, application inspection, protection from denial of service attacks (DoS),

protection from SQL injections, protection from Cross-Site Scripting (XSS), protection from malicious Web2.0 code and scripts, Trojan detection, detection of interactive connections (botnets, Command&Control), protection from data evasion, advanced management of fragmentation, automatic quarantining in the event of an attack, antispam and antiphishing: reputation-based analysis — heuristic engine, embedded antivirus (HTTP, SMTP, POP3, FTP), detection of unknown malware via sandboxing, SSL decryption and inspection, VoIP protection (SIP), collaborative security: adaptation of

the filter policy according to security events or detected vulnerabilities.

## Confidentiality

Site-to-site or nomad IPSec VPN, remote SSL VPN access in multi-OS tunnel mode (Windows, Android, iOS, etc), SSL VPN agent configurable centrally (Windows), Support for Android/iPhone IPSec VPN.

## Network - Integration

IPv6, NAT, PAT, transparent (bridge)/routed/hybrid modes, dynamic routing (RIP, OSPF, BGP), multi-level internal or external PKI management, internal LDAP directory, explicit proxy, policy-

based routing (PBR), QoS management, DHCP client/relay/server, NTP client, DNS proxy-cache, HTTP proxy-cache, High Availability, WAN link redundancy, LACP management, Spanning-tree management (RSTP/MSTP).

## Management

Web-based management interface, object-oriented security policy, real-time configuration help, firewall rule counter, more than 15 installation wizards, embedded log reporting and analysis tools, interactive and customizable reports, sending to syslog, SNMP v1, v2, v3 agent, automated configuration backup, external storage (option).

# Specifications for virtualized solutions

	For Network					For Cloud	
	V50	V100	V200	V500	VU	VS5	VS10
<b>MAIN CHARACTERISTICS</b>							
Protected IP addresses	50	100	200	500	Unlimited	-	-
Protected virtual machines	-	-	-	-	Unlimited	5	10
Vulnerability Manager	-	-	-	-	-	Yes	Yes
Concurrent connections	100,000	200,000	400,000	600,000	3,000,000	1,000,000	2,000,000
Max number of VLAN	128	128	128	128	512	512	512
Max number of IPSec VPN Tunnels	100	500	1,000	1,000	10,000	10,000	10,000
Max number of Simultaneous SSL VPN clients	20	35	70	175	500	500	500

\* Performance is measured in a laboratory and under conditions ideal for version 2.1. Results may vary according to test conditions and the software version

\*\* Optional

# CLOUD SERVICES



## CLOUD REPORTING

### Turnkey automated report generator

Without the need for any prior human or hardware investment, you will be able to obtain comprehensive periodic reports with detailed indicators on the activity of your network. Equipped as such with a synthetic view of events, you can therefore improve and gain full unhindered control over your security.



## CLOUD BACKUP

### Automatic configuration backup service

This free service allows you to automatically back up the latest configurations of your Stormshield Network Security appliances in the Stormshield Cloud infrastructure or on one of your servers. In this way, you would be able to retrieve or restore an earlier configuration easily in the event of a reinitialization, hardware exchange or error.



## CLOUD UPDATE

### Automatic updates

The Cloud Update service automatically updates:

- Contextual signatures for the intrusion prevention engine
- Application databases
- Vulnerability databases
- URL filter databases
- Antivirus signatures
- RBL servers and antispam whitelists
- Minor and major versions

# SERVICES



## SERVICE PACKS

An extended period of unavailability on your security device may have disastrous consequences on your business. Stormshield offers a clear and simple range of 4 security service packs that include the hardware maintenance of your product.



## TECHNICAL SUPPORT

Through your partner, you will benefit from the assistance provided by our multilingual technical support teams. Our teams are based in our premises, working closely and directly with the R&D teams. This will guarantee vendor expertise in addressing any issue.



## TRAINING

Provided by Stormshield or by one of our certified and approved partners, our Administrator and Expert training courses allow you to acquire full knowledge on how to operate our products. Enriched with many practical exercises, our training course has added value thanks to its certification which is recognized on the market.



## STORMSHIELD

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Arkoon and Netasq, fully owned subsidiaries of Airbus Defence and Space CyberSecurity, run the Stormshield brand and offer innovative end-to-end security solutions to protect networks (Stormshield Network Security), workstations (Stormshield Endpoint Security) and data (Stormshield Data Security).

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[WWW.STORMSHIELD.EU](http://WWW.STORMSHIELD.EU)

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