



# STORMSHIELD

NETWORK SECURITY

# STORMSHIELD SN6100

High port density and powerful Next-Generation Firewall



## 170 Gbps

FIREWALL  
PERFORMANCE

## 20 Gbps

IPSEC VPN  
PERFORMANCE

## 12.5 Gbps

ANTIVIRUS  
PERFORMANCE

## Modularity

COPPER AND FIBER  
INTERFACES



## ⚡ Very high performance

With 170 Gbps Firewall throughput, this product meets the requirements of existing and future critical infrastructures which need high throughput levels.

### 📄 High port concentration

- Very high fiber ports density
- Anticipate your infrastructure's change

### 🛡️ Peace of mind

- High availability
- RAID disks
- Hot-swappable dual power supply and fans

### 📋 Compliance with regulations

- Log and report access complies with GDPR
- Log storage



COMMON  
CRITERIA



EU  
RESTRICTED



NATO  
RESTRICTED

NEXT GENERATION UTM  
& FIREWALL

BUSINESSES  
& LARGE ORGANIZATIONS

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

# TECHNICAL SPECIFICATIONS

## PERFORMANCE\*

Firewall throughput (1518 byte UDP)	170 Gbps
Firewall throughput (IMIX**)	53.3 Gbps
IPS throughput (1518 byte UDP)	68 Gbps
IPS throughput (1 MByte HTTP files)	27 Gbps
Antivirus throughput	12.5 Gbps

## VPN\*

IPSec throughput - AES-GCM	20 Gbps
IPSec throughput - AES256/SHA2	12.3 Gbps
Max number of IPSec VPN tunnels	10,000
Max number of SSL VPN (Portal mode)	2,048
Number of simultaneous SSL VPN clients	500

## NETWORK CONNECTIVITY

Concurrent connections	20,000,000
New connections per second	250,000
Number of main gateways (max)/backup (max)	64/64

## CONNECTIVITY

10/100/1000 interfaces	8-64
10 Gb copper interfaces	0-32 <sup>1</sup>
1 Gb fiber interfaces	0-64 <sup>1</sup>
10 Gb fiber interfaces	2 <sup>2</sup> -34 <sup>1</sup>
40 Gb fiber interfaces	0-16 <sup>1</sup>
Optional external modules (8 ports 10/100/1000 - 4 ports 10 Gb copper - 8 ports 1Gb fiber 4 ports 10Gb fiber - 2 ports 40Gb fiber)	7

## SYSTEM

Number of rules (recommended / specific configuration)	8,192 / 32,768
Max number of static routes	10,240

## REDUNDANCY

High Availability (Active/Passive)	✓
Redundant SSD	RAID 1
Redundant power supply (hot swappable)	✓
Redundant ventilation (hot swappable)	✓

## HARDWARE

Local storage	512 GB SSD
Large Storage option (local storage)	1 TB SSD
MTBF at 25°C (years)	21.3
Racking	2U - 19"
Height x Width x Depth (mm)	88.9 x 440 x 645
Weight	15.3 kg (33.73 lbs)
Power supply (AC)	100-240V 63-47Hz 9.4-4.72A
Power supply 48V (option)	48-60VDC 19.2-16A
Power consumption (max)	230V 50Hz 557.4W 2.4A
Fan	4
Thermal dissipation (max, BTU/h)	1915
Operational temperature	0° to 40°C (32° to 104°F)
Relative humidity, operating (without condensation)	0% to 90% @ 40°C (104°F)
Storage temperature	-20° to 70°C (-4° to 158°F)
Relative humidity, storage (without condensation)	5% to 95%

## CERTIFICATIONS

Compliance	CE/FCC/CB
------------	-----------

<sup>1</sup> Instead of the 8 ports 10/100/1000 interface - <sup>2</sup> Requires transceivers

# FEATURES

## USAGE CONTROL

Firewall/IPS/IDS mode - Identity-based firewall - Application detection and management - Microsoft Services Firewall - Industrial firewall/IPS/IDS - Industrial application control - Detection and control of the use of mobile terminals - Application inventory (option) - Vulnerability detection (option) - Geolocation (countries, continents) - Dynamic Host Reputation - URL filtering (embedded database or cloud mode) - Transparent authentication (Active Directory, SSO Agent, SSL, SPNEGO) - Multi-user authentication in cookie mode (Citrix-TSE) - Guest and sponsorship mode authentication.

## PROTECTION FROM THREATS

Intrusion detection and prevention - Protocols autodetection and compliancy check - 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 (Clean & Pass) - Trojan detection - Detection of interactive connections (botnets, Command&Control) - Protection from data evasion - Advanced management of fragmentation - Automatic reaction to attack (notification, quarantine, block, QoS, dump) - Antispam and antiphishing: reputation-based analysis, heuristic engine - Embedded antivirus (HTTP, SMTP, POP3, FTP) - SSL decryption and inspection - VoIP protection (SIP) - Collaborative security: IP reputation, Cloud based Sandbox on the European territory (option).

## CONFIDENTIALITY

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

## NETWORK - INTEGRATION

IPv6 - NAT, PAT, transparent (bridge)/routed/hybrid modes - Dynamic routing (RIP - OSPF - BGP) - Multiple link management (balancing, failover) - Multi-level internal or external PKI management - Multi-domain authentication (including internal LDAP) - Explicit proxy - Policy-based routing (PBR) - QoS management - DHCP client/relay/server - NTP client - DNS proxy-cache - HTTP proxy - LACP management - Spanning-tree management (RSTP/MSTP) - SD-WAN.

## MANAGEMENT

Web-based management - Interface with privacy mode (GDPR compliant) - Object-oriented security policy - Contextual security policy - Real-time configuration helper - Rule counter - Multiple installation wizards - Global/local security policy - Embedded log reporting and analysis tools - Interactive and customizable reports - Support for multiple syslog server UDP/TCP/TLS - SNMP v1, v2c, v3 agent - IPFIX/NetFlow - Automated configuration backup - Open API - Script recording.

.....  
**Non-contractual document.** The features mentioned are those in version 4.x.

\* Performance is measured in a laboratory and under conditions ideal for version 4.x. Results may vary according to test conditions and the software version.

\*\* IP size: 60% (48 bytes) - 25% (494 bytes) - 15% (1500 bytes)..

The images of this document are non-contractual.