



# STORMSHIELD

NETWORK SECURITY

# STORMSHIELD SN3100

High performance UTM & Next-Generation  
Firewall



74 Gbps

FIREWALL  
PERFORMANCE

15 Gbps

IPSEC VPN  
PERFORMANCE

8.5 Gbps

ANTIVIRUS  
PERFORMANCE

Modularity

COPPER AND FIBER  
INTERFACES



COMMON  
CRITERIA



## Performance and security

With throughput that can reach 74 Gbps, look no further for better value and performance to secure next generation traffic.



## Peace of mind

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



## Optimize your infrastructure overheads

- Occupying a compact size (1U)
- Network modularity up to 26 ports



## Contextualized security policy

- Protection adapted to the level of risk
- Risks identified per workstation or server
- Interactive reports for an easy risks mitigation strategy

NEXT GENERATION UTM  
& FIREWALL

BUSINESSES  
& LARGE ORGANIZATIONS

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

# TECHNICAL SPECIFICATIONS

## PERFORMANCE\*

Firewall throughput (1518 byte UDP)	74 Gbps
Firewall throughput (IMIX**)	30.7 Gbps
IPS throughput (1518 byte UDP)	55 Gbps
IPS throughput (1 MByte HTTP files)	23 Gbps
Antivirus throughput	8.5 Gbps

## VPN\*

IPSec throughput - AES-GCM	15 Gbps
IPSec throughput - AES256/SHA2	8 Gbps
Max number of IPSec VPN tunnels	5,000
Max number of SSL VPN (Portal mode)	1,024
Number of simultaneous SSL VPN clients	1,000

## NETWORK CONNECTIVITY

Concurrent connections	5,000,000
New connections per second	175,000
Number of main gateways (max)/backup (max)	64/64

## CONNECTIVITY

10/100/1000 interfaces	2-26
10 Gb copper interfaces	0-12
1 Gb fiber interfaces	0-24
10 Gb fiber interfaces (Dual speed)	0-12
40 Gb fiber interfaces	0-6
Optional extension modules (8 ports 10/100/1000 - 4 ports 10 Gb copper - 8 ports 1Gb fiber - 4 ports 10Gb fiber - 2 ports 40Gb fiber)	3

## 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	256 GB SSD
Large Storage option (local storage)	1TB SSD
MTBF at 25°C (years)	19.9
Racking	1U - 19"
Height x Width x Depth (mm)	44.45 x 443 x 610
Weight	9.86 kg (21.74 lbs)
Power supply (AC)	100-240V 60-50Hz 5-3A
Power supply 48V (option)	-36 – -72VDC 12-6 A
Power consumption (max)	230V 50Hz 141W 0.7A
Fan	3
Thermal dissipation (max, BTU/h)	481
Operational temperature	0° to 40°C (32° to 104°F)
Relative humidity, operating (without condensation)	0% to 95% @ 40°C (104°F)
Storage temperature	-30° to 65°C (-22° to 149°F)
Relative humidity, storage (without condensation)	5% to 95% @ 60°C (140°F)

## CERTIFICATIONS

Compliance	CE/FCC/CB
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# 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) - Agent based multi-user VDI authentication (Citrix-TSE)- Guest and sponsorship mode authentication, webservices.

## 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 against evasion techniques - 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) - Multicast - 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, Multifactor Authentication (MFA).

## MANAGEMENT

Web-based management - Interface with privacy mode (GDPR compliant) - Object-oriented security policy - Contextual security policy - Real-time configuration helper - Rule counter - Connected or disconnected security updates - 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 - Automated configuration backup - Open API - Script recording.

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

\* Performance is measured in a laboratory and under conditions ideal for version 4.7. 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.