



# STORMSHIELD

NETWORK SECURITY

# STORMSHIELD SN1100

Power and resilience for complex infrastructures



45 Gbps

FIREWALL  
PERFORMANCE

7.5 Gbps

VPN  
PERFORMANCE

10 GbE

FIBER  
INTERFACE

Connectivity

COPPER AND FIBER  
INTERFACES



## Modularity

Network expansion capabilities give you a great deal of flexible configuration options. This modularity between copper and 1GbE or 10GbE fiber interfaces supports you as your infrastructures develop.



## Performance

- The best price performance ratio to secure next generation traffic
- Synergy between hardware and software



## Guaranteed security

- IPsec VPN and intrusion prevention
- Access management
- Securing VPN secrets with a TPM chip



## Resilience

- Redundant power supply\*
- High availability

\* optional

NEXT GENERATION UTM  
& FIREWALL

BUSINESSES  
& LARGE ORGANIZATIONS

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

# TECHNICAL SPECIFICATIONS

## PERFORMANCE\*

Firewall throughput (1518 byte UDP)	45 Gbps
IPS throughput (1518 byte UDP)	18 Gbps
IPS throughput (1 MB HTTP)	12 Gbps
Antivirus throughput	4 Gbps

## VPN\*

IPSec throughput - AES-GCM	7.5 Gbps
IPSec throughput - AES256/SHA2	4 Gbps
Max number of IPSec VPN tunnels	2,000
Number of SSL VPN clients in portal mode	500
Number of simultaneous SSL VPN clients	500

## NETWORK CONNECTIVITY

Max number of simultaneous sessions	1,800,000
Number of new sessions/sec.	90,000
Number of main gateways (max)/backup (max)	64/64

## CONNECTIVITY

10/100/1000 interfaces	8/24
10 Gb copper interfaces	0-8
1 Gb fibre interfaces	0-16
10 Gb fibre interfaces	2-10
Optional network extension modules (8 ports 10/100/1000 - 4 ports 10 Gb copper - 8 ports 1 Gb fibre - 4 ports 10 Gb fibre)	2

## SYSTEM

Number of filtering rules (recommended / specific config)	8,192 / 32,768
Max number of static routes	7,680
Max number of dynamic routes	10,000

## REDUNDANCY

High availability (active/passive)	✓
Redundant power supply (hot swappable)	Option

## HARDWARE

Storage	512 GB SSD
MTBF at 25°C (years)	27.3
Size	1U - 19"
Height x Width x Depth (mm)	44.45 x 440 x 540
Weight (kg)	8.11
Power supply (AC)	100-240V 60-50Hz 5A-3A
Power supply 48V (option)	-36 – -72VDC 12-6 A
Power consumption (max)	230V 50Hz 112W 0,57A
Fans	3
Noise level	65dBA
Thermal dissipation (max, BTU/h)	427
Operating temperature	0° to 40°C (32° to 104°F)
Relative humidity when operating (without condensation)	0% to 95% @ 40°C (104°F)
Storage temperature	-30° to 65°C (-22° to 149°F)
Relative humidity for storage (without condensation)	5% to 95% @ 60°C (140°F)

## CERTIFICATIONS

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

The images in this document are non-contractual.

# 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, webservices.

## PROTECTION FROM THREATS

Intrusion detection and prevention - Protocol auto-detection and compliance check - Application inspection - Protection from denial of service (DoS) attacks - 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 fragmentation management - Automatic quarantining in the event of an attack - 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 hosted in Europe (option).

## CONFIDENTIALITY OF EXCHANGES

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) - IPSec VPN support for Android/iPhone.

## 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 directories (including internal LDAP) - Explicit proxy - Policy-based routing (PBR) - Quality of Service 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 support - Firewall rule usage counters - Multiple installation wizards - Global/local security policy - Embedded log reporting and analysis tools - Interactive and customisable reports - Support for multiple syslog servers: UDP/TCP/TLS - SNMP v1, v2c, v3 agent - IPFIX/NetFlow - Automated configuration backup - Open API - Script recording.

Non-contractual document. The features mentioned are for version 4.x.

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