



# STORMSHIELD

NETWORK SECURITY

# STORMSHIELD SN160

Unified security



1 Gbps

FIREWALL  
PERFORMANCE

200 Mbps

IPSEC  
PERFORMANCE

100 Mbps

ANTIVIRUS  
PERFORMANCE

1+4 ports

10/100/1000  
INTERFACES



COMMON  
CRITERIA



COMMON  
CRITERIA



EU  
RESTRICTED



NATO  
RESTRICTED



## Opt for the best unified security

The most comprehensive security features on the market: intrusion prevention system, firewall, application control, VPN, vulnerability management, antivirus, antispam, web filtering, etc.



## Guaranteed privacy

- IPSec VPN and intrusion prevention
- Access management



## All-in-one device

- Application firewall, intrusion prevention, VPN, antivirus,
- Antispam, web filtering, vulnerabilities management
- Advanced reporting, users tracking



## Easy deployment

- First configuration in just 3 minutes,
- Intuitive graphical interface,
- Configuration wizard

NEXT GENERATION UTM  
& FIREWALL

SMALL BUSINESSES, AGENCIES &  
REMOTE OFFICES

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

# TECHNICAL SPECIFICATIONS

## PERFORMANCE\*

Firewall throughput (1518 byte UDP)	1 Gbps
IPS throughput (1518 byte UDP)	800 Mbps
IPS throughput (1 MByte HTTP files)	400 Mbps
Antivirus throughput	100 Mbps

## VPN\*

IPSec throughput - AES128/SHA1	200 Mbps
IPSec throughput - AES256/SHA2	200 Mbps
Max number of IPSec VPN tunnels	50
Max number of SSL VPN (Portal mode)	20
Number of simultaneous SSL VPN clients	5

## NETWORK CONNECTIVITY

Concurrent connections	150,000
New connections per second	6,000
Number of main gateways (max)/backup (max)	64/64

## CONNECTIVITY

10/100/1000 Interfaces	1+4 ports (Switch)
------------------------	--------------------

## SYSTEM

Max number of filtering rules	4,096
Max number of static routes	512
Max number of dynamic routes	1,000

## REDUNDANCY

High Availability	-
-------------------	---

## HARDWARE

Local storage	SD Card storage**
MTBF at 25°C (years)	24.9
Racking	1U (<1/2 19")
Height x Width x Depth (mm)	45 x 176 x 107
Weight	0.55 kg (1.25 lbs)
Packaged Height x Width x Depth (mm)	78 x 320 x 200
Packaged weight	1.2 kg (2.65 lbs)
Power supply (AC)	100-240V 60-50Hz 1.5-0.8A
Power consumption	230V 50Hz 8.4W 0.07A
Noise level	Fanless
Thermal dissipation (max, BTU/h)	35
Operational temperature	5° to 40°C (41° to 104°F)
Relative humidity, operating (without condensation)	20% to 90% @ 40°C
Storage temperature	-30° to 65°C (-22° to 149°F)
Relative humidity, storage (without condensation)	5% to 95% @ 60°C

## CERTIFICATIONS

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

# 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-cache.

## MANAGEMENT

Web-based management - Interface with privacy mode (GDPR compliancy) - 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 - External storage (option) - Open API - Script recording.

.....  
**Non-contractual document.** The features mentioned are those in version 3.x.

\* Performance is measured in a laboratory and under conditions ideal for version 3.x. Results may vary according to test conditions and the software version.

\*\* Option.