



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



COMMON
CRITERIA

⚡ 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

NEXT GENERATION UTM
& FIREWALL

BUSINESSES
& LARGE ORGANIZATIONS

WWW.STORMSHIELD.COM

TECHNICAL SPECIFICATIONS

FEATURES

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 ¹
1 Gb fiber interfaces	0-64 ¹
10 Gb fiber interfaces	2 ² -34 ¹
40 Gb fiber interfaces	0-16 ¹
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 19.2-16 A
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
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¹ Instead of the 8 ports 10/100/1000 interface - ² Requires transceivers

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 - 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, 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 - 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 - 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.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.