



STORMSHIELD

NETWORK SECURITY

STORMSHIELD SN6000

High port density and powerful Next-Generation Firewall



130 Gbps

FIREWALL
PERFORMANCE

12 Gbps

IPSEC
PERFORMANCE

4.7 Gbps

ANTIVIRUS
PERFORMANCE

Modularity

COPPER AND FIBER
INTERFACES



⚡ Very high performance

With 130 Gbps Firewall throughput, the product meets the requirements of existing and future critical infrastructures which need high throughput levels.

📁 The highest port concentration

- The highest fiber ports density on the market
- Anticipate your infrastructure's change

🛡️ Peace of mind

- High availability
- RAID disks
- Dual power supply

📋 Compliance with regulations

- Logs and reports access complies with GDPR
- Log storage
- Legal archiving



COMMON
CRITERIA



COMMON
CRITERIA



EU
RESTRICTED



NATO
RESTRICTED

NEXT GENERATION UTM
& FIREWALL

BUSINESSES
& LARGE ORGANIZATIONS

WWW.STORMSHIELD.COM

TECHNICAL SPECIFICATIONS

PERFORMANCE*

Firewall throughput (1518 byte UDP)	130 Gbps
Firewall throughput (IMIX **)	45 Gbps
IPS throughput (1518 byte UDP)	55 Gbps
IPS throughput (1 MByte HTTP files)	17 Gbps
Antivirus throughput	4.7 Gbps

VPN*

IPSec throughput - AES128/SHA1	12 Gbps
IPSec throughput - AES256/SHA2	10 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	10,000,000
New connections per second	180,000
Number of main gateways (max)/backup (max)	64/64

CONNECTIVITY

10/100/1000 Interfaces	10-58
1Gb fiber interfaces	0-56 ¹
10Gb fiber interfaces	0-28 ¹
Optional interfaces (8 ports 10/100/1000 - 4 or 8 ports 1Gb SFP - 4 ports 10Gb SFP+)	6

SYSTEM

Max number of filtering rules	32,768
Max number of static routes	10,240
Max number of dynamic routes	500,000

REDUNDANCY

High Availability	✓
Redundant disks	RAID1
Redundant power supply (hot swappable)	✓

HARDWARE

Local storage	256 GB SSD
Big Data option (local storage)	> 900 GB SSD
Racking	1U - 19"
Height x Width x Depth (mm)	89 x 445 x 645
Power supply (AC)	110-230V 60-50Hz 10-5A
Power consumption	230V 50Hz 505W 2.31A
Fan	3
Operational temperature	10° to 35°C (50° to 95°F)
Relative humidity, operating (without condensation)	20% to 90% @ 35°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
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* 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.

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

¹ Instead of the 8 ports 10/100/1000 interface

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 - LACP management - Spanning-tree management (RSTP/MSTP).

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 - Open API - Script recording.

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