STORMSHIELD SN6100

High port density and powerful Next-Generation Firewall

140 Gbps
FIREWALL PERFORMANCE

20.5 Gbps
VPN IPSEC PERFORMANCE

9 Gbps
ANTIVIRUS PERFORMANCE

Modularity
COPPER AND FIBER INTERFACES

Very high performance
With 140 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

Network Security

STORMSHIELD

EU RESTRICTED

NATO RESTRICTED

COMMON CRITERIA

COMMON CRITERIA

NATO

OTAN

NATO

RESTRICTED

RESTRICTED

Next Generation UTM & Firewall

Businesses & Large Organizations

WWW.STORMSHIELD.COM
**TECHNICAL SPECIFICATIONS**

**PERFORMANCE**
- Firewall throughput (1518 byte UDP): 140 Gbps
- Firewall throughput (IMIX **): 42 Gbps
- IPS throughput (1518 byte UDP): 53 Gbps
- IPS throughput (1 MByte HTTP files): 24 Gbps
- Antivirus throughput: 9 Gbps

**VPN**
- IPSec throughput - AES-GCM: 20.5 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: 146,500
- Number of main gateways (max)/backup (max): 64/64

**CONNECTIVITY**
- 10/100/1000 interfaces: 8-48
- 10 Gb copper interfaces: 0-241
- 1 Gb fiber interfaces: 0-48
- 10 Gb fiber interfaces: 0-26
- 40 Gb fiber interfaces: 0-12
- Optional external modules: 5

**HARDWARE**
- Local storage: 512 GB SSD
- Big Data 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 19.2-16A
- 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

**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 (embdedded 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 compliance check - Application inspection - Protection from denial of service attacks (DoS) - Protection from SQL injections - Protection from Cross-Site Scripting (XSS) - Protection from malicious Web 2.0 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, 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) - GoS management - DHCP client/relay/server - NTP client - DNS proxy-cache - HTTP proxy-cache - LACP management - Spanning-tree management (RSTP/MSTP).

**MANAGEMENT**

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

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