STORMSHIELD

NETWORK SECURITY

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SN310

Unified security

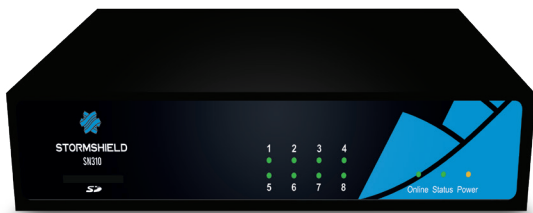| **HA**	**3.5 Gbps**	**600 Mbps**	**8 ports**
PRODUCT	FIREWALL PERFORMANCE	IPSEC PERFORMANCE	10/100/1000 INTERFACES

High availability
With the high availability feature, services continue to run uninterrupted, even if your appliance breaks down.

Safe zones on your network
- Network segmentation: transparent (bridge)/routed/hybrid mode
- 8 ports for a better flexibility and granularity for the filter policy definition
- Isolation of connected devices (IoT and BYOD)

Business continuity
- High availability
- Redundant access links
- Flows configuration

Easy deployment
- Intuitive graphical interface
- Configuration wizard

COMMON CRITERIA	COMMON CRITERIA	EU RESTRICTED	NATO RESTRICTED
EAL3+	EAL4+		NATO OTAN

TECHNICAL SPECIFICATIONS

PERFORMANCE*

Firewall throughput (1518 byte UDP)	3.5 Gbps
IPS throughput (1518 byte UDP)	2.4 Gbps
IPS throughput (1 MByte HTTP files)	1.1 Gbps
Antivirus throughput	430 Mbps

VPN*

IPSec throughput - AES128/SHA1	600 Mbps
IPSec throughput - AES256/SHA2	600 Mbps
Max number of IPSec VPN tunnels	100
Max number of SSL VPN (Portal mode)	50
Number of simultaneous SSL VPN clients	20

NETWORK CONNECTIVITY

Concurrent connections	300,000
New connections per second	18,000
Number of main gateways (max)/backup (max)	64/64

CONNECTIVITY

10/100/1000 Interfaces	8

SYSTEM

Max number of filtering rules	8,192
Max number of static routes	512
Max number of dynamic routes	10,000

REDUNDANCY

High Availability	✔

HARDWARE

Local storage	SD Card storage**
MTBF at 25°C (years)	25.2
Racking	1U (<1/2 19")
Height x Width x Depth (mm)	46 x 210 x 195
Weight	1 kg (2.2 lbs)
Packaged Height x Width x Depth (mm)	90 x 360 x 290
Packaged weight	2 kg (4.41 lbs)
Power supply (AC)	100-240V 60-50Hz 1.3-0.75A
Power consumption	230V 50Hz 15.1W 0.13A
Noise level	Fanless
Thermal dissipation (max, BTU/h)	65
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 fltering (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.

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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.*