STORMSHIELD

NETWORK SECURITY

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SN310

Unified security

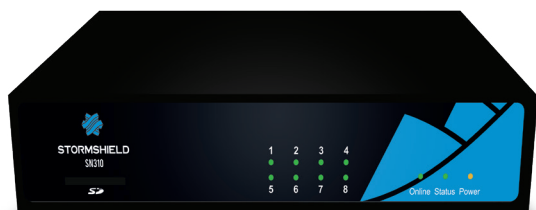| HA	4 Gbps	600 Mbps	8 ports
PRODUCT	FIREWALL PERFORMANCE	IPSEC VPN PERFORMANCE	10/100/1000 INTERFACES

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)	**4 Gbps**
IPS throughput (1518 byte UDP)	**2.4 Gbps**
IPS throughput (1 MByte HTTP files)	**1.2 Gbps**
Antivirus throughput	**495 Mbps**

VPN*

IPSec throughput - AES-GCM	**175 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

Number of rules (recommended / specific configuration)	**2,048 / 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 - SD-WAN.

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 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.

**Option.*