STORMSHIELD
SN910

Business continuity in complex architectures

Fiber
PRODUCT

30 Gbps
FIREWALL PERFORMANCE

4.5 Gbps
IPSEC VPN PERFORMANCE

Modularity
COPPER AND FIBER INTERFACES

Modularity
The network extension module offers a large flexibility in configuration. This modularity between copper and 1 GbE or 10GbE fiber interfaces helps to anticipate your infrastructure's changes with serenity.

Performance
- The best price performance ratio to secure next generation traffic
- Synergy between hardware and software

Guaranteed privacy
- IPsec VPN and intrusion prevention
- Access management

Contextualized security policy
- Protection adapted to the level of risk
- Risks identified per workstation or server
- Interactive reports for an easy risks mitigation strategy

COMMON CRITERIA
CERTIFIED
EAL3+

COMMON CRITERIA

TECHNICAL SPECIFICATIONS

PERFORMANCE*

Firewall throughput (1518 byte UDP)	30 Gbps
IPS throughput (1518 byte UDP)	15 Gbps
IPS throughput (1 MByte HTTP files)	10 Gbps
Antivirus throughput	2.9 Gbps

VPN*

IPSec throughput - AES-GCM	4.5 Gbps
IPSec throughput - AES256/SHA2	3 Gbps
Max number of IPSec VPN tunnels	1,000
Max number of SSL VPN (Portal mode)	300
Number of simultaneous SSL VPN clients	150

NETWORK CONNECTIVITY

Concurrent connections	1,500,000
New connections per second	80,000
Number of main gateways (max)/backup (max)	64/64

CONNECTIVITY

10/100/1000 Interfaces	8-16
10Gb copper interfaces	0-4
1Gb interfaces	2^1-10
10Gb interfaces	0-4
Optional extension modules (8 ports 10/100/1000 - 4 ports 10Gb copper - 8 ports 1Gb fiber - 4 ports 10Gb fiber)	1

SYSTEM

Number of rules (recommended / specific configuration)	8,192 / 32,768
Max number of static routes	5,120
Max number of dynamic routes	10,000

REDUNDANCY

High Availability	✔

HARDWARE

Local storage	120 Go SSD
MTBF at 25°C (years)	13.2
Racking	1U -19"
Height x Width x Depth (mm)	44.45 x 440 x 310
Weight	5.1 kg (11.3 lbs)
Power supply (AC)	100-240V 60-50Hz 4-2A
Power consumption	230V 50Hz 72W 0.38A
Fan	3
Noise level	50 dBA
Thermal dissipation (max, BTU/h)	334
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

[1] *Requires transceivers*

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 - LACP management - Spanning-tree management (RSTP/MSTP) - 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 - Open API - Script recording.

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