



STORMSHIELD

NETWORK SECURITY

STORMSHIELD SNI40

An industrial-grade Firewall



4.8 Gbps

FIREWALL
PERFORMANCE

1.1 Mbps

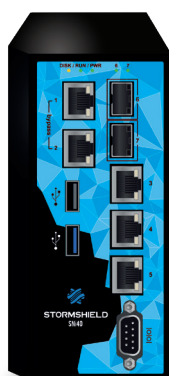
VPN IPSEC
PERFORMANCE

10+

INDUSTRIAL
PROTOCOLS

5 ports

10/100/1000
INTERFACES



CSPN
INDUSTRIAL FIREWALL

A product adapted to your environments

Support your safety with an appliance specifically designed to protect PLCs (Programmable Logic Controller). Enhance your overall security with a full range of appliances handling both your OT and IT/OT convergence requirements



Impact-free protection

- Safety first with either High Availability or Fail-safe mode
- Detection and protection of the main vendors (Schneider Electric, Siemens, Rockwell, ...)



Simplified integration

- Easy installation thanks to a simple setup procedure
- A single software product for a one-stop administration process regardless of the area of protection (OT or IT)



Manage your infrastructure

- View the list of active equipments on your network
- Real time control over the existing connections

NEXT GENERATION UTM
& FIREWALL

OPERATIONAL TECHNOLOGY WITH
STRICT INDUSTRIAL CONSTRAINTS

WWW.STORMSHIELD.COM

TECHNICAL SPECIFICATIONS

PERFORMANCE*

Firewall throughput (1518 byte UDP)	4.8 Gbps
Firewall throughput (IMIX**)	2.4 Gbps
IPS throughput (1518 byte UDP)	2.9 Gbps
IPS throughput (1 MByte HTTP files)	1.8 Mbps
Latency (Maximum)	10 ms

VPN*

IPSec throughput - AES128/SHA1	1.1 Mbps
IPSec throughput - AES256/SHA2	0.8 Mbps
Max number of IPSec VPN tunnels	500
Max number of SSL VPN (Portal mode)	75
Number of simultaneous SSL VPN clients	100

NETWORK CONNECTIVITY

Concurrent connections	500,000
New connections per second	20,000
Number of main gateways (max)/backup (max)	64/64

CONNECTIVITY

Copper 10/100/1000 Interfaces	5
1Gbps SFP slots	0-2
Serial port	1
USB ports	1 USB 2.0, 1 USB 3.0

PROTOCOLS - DEEP PACKET INSPECTION (DPI)

Modbus, UMAS, S7 200-300-400, EtherNet/IP, CIP, OPC UA, IEC-60870-5-104, OPC (DA/HDA/AE), BACnet/IP and IT protocols

HARDWARE

Storage	32 GB SSD
Log partition	> 20 GB SSD
MTBF at 25°C (years)	26.6
Installation	DIN rail (width 35mm, EN 50022 standard)
Height x Width x Depth (mm)	165 x 80 x 145
Weight	1.40 kg (3.10 lbs)
Packaged Height x Width x Depth (mm)	139 x 283 x 215
Packaged weight	2.10 kg (4.63 lbs)
Double power supply (DC)	12-36VDC 5-1.67A
Consumption (W) (Idle) DC @+25°C	15.5
Power consumption (W) (full load, max.) DC @+25°C	19.5
Fans	-
Thermal dissipation (max, BTU/h)	66.54
Operational temperature	-40° to +75°C (-40° to +167°F)
Relative humidity, operating (without condensation)	0% to >90%
Level of protection provided by the appliance (IP Code)	IP30
Storage temperature	-40° to +85°C (-40° to +185°F)
Relative humidity, storage (without condensation)	5% to 95%

CERTIFICATIONS

CE/FCC, IEC 60950-1, IEC 61000 (3-2, 3-3, 4-18, 6-2, 6-4), IEC 60068 (2-1, 2-2, 2-6, 2-13, 2-14, 2-27, 2-30, 2-78), EN 55024, EN 55032

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.

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.

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.