



# STORMSHIELD

NETWORK SECURITY

# STORMSHIELD SNI40

An industrial-grade Firewall



4.8 Gbps

FIREWALL  
PERFORMANCE

1.1 Gbps

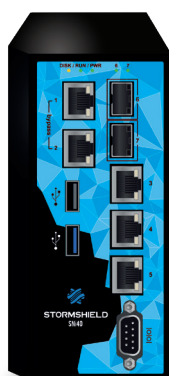
VPN IPSEC  
PERFORMANCE

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](http://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 Gbps
IPSec throughput - AES256/SHA2	0.8 Gbps
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 - 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) - 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.