



STORMSHIELD

NETWORK SECURITY

STORMSHIELD SNI40

An industrial-grade Firewall



4.8 Gbps

FIREWALL
PERFORMANCE

1.3 Gbps

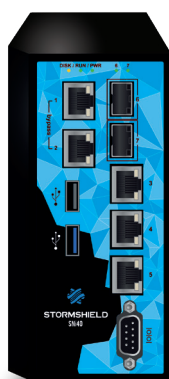
VPN IPSEC
PERFORMANCE

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

TECHNICAL SPECIFICATIONS

PERFORMANCE*

| | |
|-------------------------------------|----------|
| Firewall throughput (1518 byte UDP) | 4.8 Gbps |
| Firewall throughput (IMIX**) | 3 Gbps |
| IPS throughput (1518 byte UDP) | 3.1 Gbps |
| IPS throughput (IMIX) | 890 Mbps |
| Latency (Maximum) | 10 ms |

VPN*

| | |
|--|----------|
| IPSec throughput - AES-GCM | 1.3 Gbps |
| IPSec throughput - IMIX | 700 Mbps |
| Max number of IPSec VPN tunnels | 1,000 |
| Max number of SSL VPN (Portal mode) | 75 |
| Number of simultaneous SSL VPN clients | 300 |

NETWORK CONNECTIVITY

| | |
|--|---------|
| Concurrent connections | 500,000 |
| New connections per second | 30,000 |
| Number of main gateways (max)/backup (max) | 64/64 |

CONNECTIVITY

| | |
|-------------------------------|----------------------|
| Copper 10/100/1000 Interfaces | 5 |
| 1Gbps SFP slots | 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, OPC (DA/HDA/AE), BACnet/IP, PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (MMS, Goose & SV), S7+ & IT

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 - Geolocation (countries, continents) - Dynamic Host Reputation - Transparent authentication (Active Directory, SSO Agent, SSL, SPNEGO) - Agent-based multi-user VDI authentication (Citrix, TSE) - Guest and sponsorship mode authentication, webservices - Host Checker - Zero Trust Network Access (ZTNA).

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 - Post Quantum Resistant - 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) - Multicast - 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 - LACP-Management - Spanning Tree Management (RSTP/MSTP) - SD-WAN - Multifactor Authentication (MFA).

MANAGEMENT

Web-based management - Interface with privacy mode (GDPR compliancy) - Object-oriented security policy - Contextual security policy - Real-time configuration helper - Rule counter - Connected or disconnected security updates - 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 - Automated configuration backup - External storage (option) - Open API - Script recording.

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Non-contractual document. The features mentioned are those in version 5.x.

* Performance is measured in a laboratory and under conditions ideal for version 5.x. Results may vary according to test conditions and the software version.