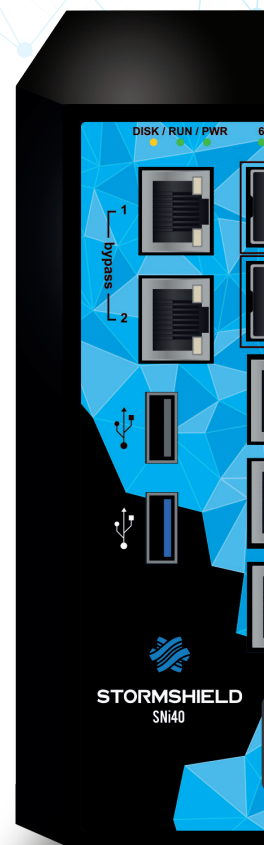**NETWORK SECURITY**

STORMSHIELD
SNi40

An industrial-grade Firewall

4.8 Gbps
FIREWALL
PERFORMANCE

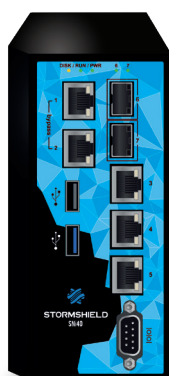**1.1 Gbps**
VPN IPSEC
PERFORMANCE

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

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 - 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-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.

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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.