

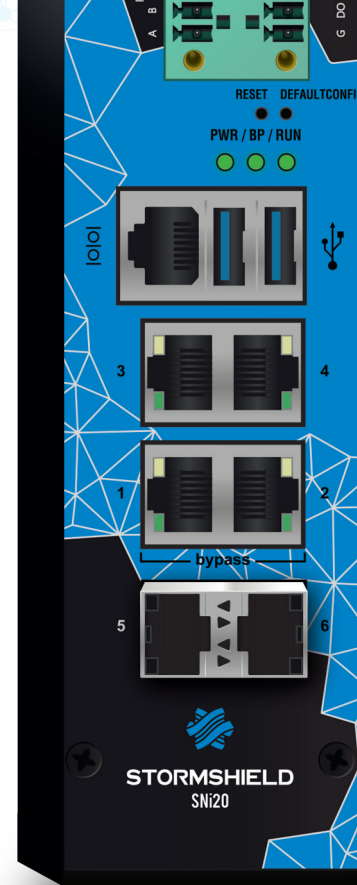


STORMSHIELD

NETWORK SECURITY

STORMSHIELD SNI20

An industrial-grade firewall



2.4 Gbps

FIREWALL
PERFORMANCE

10 ms

MAXIMUM
LATENCY

DPI

INDUSTRIAL
PROTOCOLS

NAT

INDUSTRIAL NETWORK
INTEGRATION



A product adapted to your environment

By combining a unique and a transparent network integration (routing and NAT), with advanced security features, the integration of the SNI20 is made without modifying the existing operational infrastructure.



Industrial environments integration

- Safety mode (cluster, bypass and power supply)
- Power utilities industry (IEC 61850-3)
- Suitable for harsh operating environments (DIN-rail, IP30)
- Optimized acquisition cost for large-scale deployments



Real-time security

- Secure remote maintenance for your machines and PLCs (VPN SSL / IPsec)
- Remote control of the distributed processes
- Segmentation per zones without changing your system
- Securing the operations (DPI, IPS, filtering)

NEXT GENERATION UTM
& FIREWALL

OPERATIONAL TECHNOLOGY WITH
STRICT INDUSTRIAL CONSTRAINTS

WWW.STORMSHIELD.COM

TECHNICAL SPECIFICATIONS

PERFORMANCE*

Firewall throughput (1518 byte UDP)	2.4 Gbps
Firewall throughput (IMIX**)	1.4 Gbps
IPS throughput (1518 byte UDP)	1.6 Gbps
IPS throughput (1 MByte HTTP files)	900 Mbps
Latency (Maximum)	10 ms

VPN*

IPSec throughput - AES-GCM	600 Mbps
Max number of IPSec VPN tunnels	100
Max number of SSL VPN (Portal mode)	50
Number of simultaneous SSL VPN clients	20

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	2-4
SFP slots (copper/fiber) 1Gbps	0-2
Management	1 serial port & 2 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

REDUNDANCY

High Availability	✓
Bypass (safety mode)	Optional

HARDWARE

Storage	SD card
TPM chip	✓
MTBF at 25°C (years)	35.1
Installation	DIN rail (width 35mm, EN 50022 standard)
Height x Width x Depth (mm)	210 x 60 x 155
Weight	1.75 kg (3.86 lbs)
Packaged Height x Width x Depth (mm)	190 x 270 x 235
Packaged weight	2.46 kg (5.42 lbs)
Double power supply (DC)	2x12-48VDC 3-0.75A
Consumption (W) (Idle) DC @+25°C	15
Power consumption (W) (full load, max.) DC @+25°C	19
Fans	-
Thermal dissipation (max, BTU/h)	64.83
Operational temperature	-40° to +70°C (-40° to +158°F)
Relative humidity, operating (without condensation)	0% to 95%
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)	0% to 95%

CERTIFICATIONS

CE/FCC/CB, EN 61000-6-2, EN 61000-6-4, IEC 61000-4-18, IEC 60068-2, IEC 61850-3, IEEE 1613, EN 50121-4, IEC 60529

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) - Agent-based multi-user VDI authentication (Citrix-TSE) - Guest and sponsorship mode authentication, webservises.

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 against evasion techniques - Advanced management of fragmentation - Automatic reaction to attack (notification, quarantine, block, QOS, dump) - SSL decryption and inspection - VoIP protection (SIP) - Collaborative security: IP reputation.

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) - Multicast - Multiple link management (balancing, failover) - Multi-level internal or external PKI management - Multi-domain authentication (including internal LDAP) - Policy-based routing (PBR) - QoS management - DHCP client/relay/server - NTP client, - LACP, - Spanning Tree Protocols (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 - Open API - Script recording.

Non-contractual document. The features mentioned are those in version 4.x.

* Performance is measured in a laboratory and under conditions ideal for version 4.x. Results may vary according to test conditions and the software version.