



STORMSHIELD

NETWORK SECURITY

STORMSHIELD SNI10

A firewall tailored for your environment



8,5 Gbps

FIREWALL
PERFORMANCE

DPI

INDUSTRIAL
PROTOCOLS

1,8 Gbps

VPN IPSEC
PERFORMANCE

Ruggedized

INTEGRATION INTO YOUR
CONSTRAINED ENVIRONMENTS



Your all-in-one OT equipment

Combining seamless network integration and advanced security capabilities, the SNI10 firewall adapts to your industrial needs, providing a robust solution with a full range of security features for optimum protection.



Seamless integration

- Transparent segmentation (bridge)/routed/hybrid
- Suitable for constrained operating environments (DIN-rail)
- Suitable for all environments (IT / OT)



Operating warranty

- High availability
- Extended operating temperature range (-20° to 60°C)
- Industrial power supply (12-48V DC)



Guaranteed confidentiality

- IPsec VPN, SSL VPN
- Operations security (DPI, IPS, filtering)
- TPM chip



TECHNICAL SPECIFICATIONS

PERFORMANCES*

Firewall throughput (1518 byte UDP)	8,5 Gbps
Firewall throughput (IMIX**)	2,4 Gbps
IPS throughput (1518 byte UDP)	4 Gbps
IPS throughput (IMIX)	1,1 Gbps
Antivirus throughput (Threat Prevention)	400 Mbps

VPN*

IPSec VPN throughput - AES-GCM	1,8 Gbps
IPSec VPN throughput - AES-GCM (IMIX)	850 Mbps
Max number of IPSec VPN tunnels	200
SSL VPN throughput	200 Mbps
No. of simultaneous SSL VPN clients	200

NETWORK CONNECTIVITY

Concurrent connections	150 000
New connections per second	25 000
Number of main gateways (max)/backup (max)	64/64

CONNECTIVITY

10/100/1000/2500 Copper Interfaces	4
------------------------------------	---

SYSTEM

Number of filtering rules (recommended / specific config)	1 024 / 2 048
Max number of static routes	512
Max number of dynamic routes	10 000

REDUNDANCY

High Availability	✓
-------------------	---

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	SD card
TPM chipset	✓
MTBF at 25°C (years)	50,1
Installation	Rack, cabinet, wall mount or DIN rail (width 35mm, EN 50022 standard)
Size	Desktop 1U (<1/2 19")
Height (w/w.o rubber feet) x Width x Depth (mm)	42/46 x 165 x 139
Weight	1.16 kg (2.56 lbs)
Power supply (AC)	100-240V 60-50Hz 1.2A
Power supply (DC)	12-48VDC 3-0.75A
Power consumption (max - AC)	230V 50Hz 19.9W 0.23A
Power consumption (max - DC)	48V 19.1W 0.40A
Noise level	Fanless
Thermal dissipation (max, BTU/h)	80
Operating temperature	-20° to 60°C (-4° to 140°F)
Level of protection provided by the appliance (IP Code)	IP20
Relative humidity when operating (without condensation)	0% to 95% @60°C (140°F)
Storage temperature	-40° to 85°C (-40° to 185°F)
Relative humidity for storage (without condensation)	0% to 95% @60°C (140°F)

CERTIFICATIONS

CE, FCC, RCM, UKCA, IEC61000-4-12, CB, IEC60068-2, IEC 60529

The images in this document are not contractually binding.

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.

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.