STORMSHIELD

NETWORK SECURITY

STORMSHIELD
SNi10

A firewall tailored for your environment

3 Gbps	DPI	1 Gbps	Ruggedized
FIREWALL PERFORMANCE	INDUSTRIAL PROTOCOLS	VPN IPSEC PERFORMANCE	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)	**3 Gbps**
Firewall throughput (IMIX**)	**2,5 Gbps**
IPS throughput (1518 byte UDP)	**1 Gbps**
IPS throughput (1 MByte HTTP files)	**800 Mbps**
Antivirus throughput (Threat Prevention)	**300 Mbps**

VPN*

IPSec VPN throughput - AES-GCM	**1 Gbps**
IPSec VPN throughput - AES-GCM (IMIX)	**740 Mbps**
Max number of IPSec VPN tunnels	**50**
SSL VPN throughput	**200 Mbps**
No. of simultaneous SSL VPN clients	**25**

NETWORK CONNECTIVITY

Concurrent connections	**150 000**
New connections per second	**15 000**
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 - Application inventory (option) - Vulnerability detection (option) - Geolocation (countries, continents) - Dynamic Host Reputation - URL filtering (embedded database or cloud mode) - 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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