

STORMSHIELD

NETWORK SECURITY

STORMSHIELD SNi10

A firewall tailored for your environment





3 Gbps

FIREWALL PERFORMANCE

DPI

INDUSTRIAL PROTOCOLS

1 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

### PS throughput (1518 byte UDP)	Firewall throughput (1518 byte UDP)	3 Gbps
### PS of throughput (1 MByte HTTP files) Antivirus throughput (Threat Prevention) Antivirus throughput (Threat Prevention) ### PSec VPN throughput - AES-GCM ### PSec VPN throughput - AES-GCM (IMIX) ### PSec VPN throughput - AES-GCM (IMIX) ### PSec VPN throughput - AES-GCM (IMIX) ### PSec VPN throughput - AES-GCM (IMIX) ### PSEC VPN throughput - AES-GCM (IM	Firewall throughput (IMIX**)	2,5 Gbps
Antivirus throughput (Threat Prevention) PARESE VPN throughput - AES-GCM PSec VPN throughput - AES-GCM (IMIX) PSec VPN throughput - AES-GCM (IMIX) Max number of IPSec VPN tunnels SSEL VPN throughput No. of simultaneous SSL VPN clients Rew connections SSEL VPN throughput Concurrent connections New connections 150 00 Number of main gateways (max)/backup (max) CONNECTIVITY CONNECTIVITY CONNECTIVITY Number of filtering rules (recommended / specific config) Max number of static routes SSTEM Number of dynamic routes Max number of dynamic routes Max number of dynamic routes REDUNDANCY High Availability PROTOCOLS - DEEP PACKET INSPECTION (DPI) Modbus, UMAS, S7 200-300-400, EthersNet/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 Storage SD can TPM chipset MTBF at 25°C (years) Size Desktop 1U (<1/2 19' Height (w/w.o. rubber feet) x Width x Depth (mm) Aleight Power supply (AC) Power supply (AC) Power supply (DC) 10-2400 60-5014; 1.2 Power consumption (max - AC) Power consumption (max - AC) Power consumption (max, BTU/h) Operating temperature -20" to 60°C (-40" to 140°C Relative humidity when operating (without condensation) O % to 95% @60°C (140" to 185°C Relative humidity when operating (without condensation) O % to 95% @60°C (140" to 185°C Relative humidity when operating (without condensation) O % to 95% @60°C (140" to 185°C Relative humidity when operating (without condensation) O % to 95% @60°C (140" to 185°C Relative humidity when operating (without condensation) O % to 95% @60°C (140" to 185°C	IPS throughput (1518 byte UDP)	1 Gbps
PSec VPN throughput - AES-GCM (IMIX) 740 Mbp PSec VPN throughput - AES-GCM (IMIX) 740 Mbp Max number of IPSec VPN tunnels 55 SSL VPN throughput 200 Mbp No. of simultaneous SSL VPN clients 20 No. of simultaneous SSL VPN clients 55 No. of simultaneous SSL VPN clients 55 No. of simultaneous SSL VPN clients 75 New connections 150 00 Number of main gateways (max)/backup (max) 64/6 CONNECTIVITY 10/100/1000/2500 Copper Interfaces 55 SSYSTEM Number of filtering rules (recommended / specific config) 1024 / 204 Max number of static routes 151 Max number of static routes 151 Max number of synamic routes 551 Max number of Synamic routes 151 Max number of Synamic routes 551 Max number of Synamic routes 551 Max number of Synamic routes 151 Max number of Synamic routes 551 Max number of Synamic routes 55	IPS throughput (1 MByte HTTP files)	800 Mbps
PSec VPN throughput - AES-GCM (IMIX)	Antivirus throughput (Threat Prevention)	300 Mbps
PSec VPN throughput - AES-GCM (IMIX)	VPN*	
Max number of IPSec VPN tunnels SSL VPN throughput No. of simultaneous SSL VPN clients NETWORK CONNECTIVITY Concurrent connections New connections per second Number of main gateways (max)/backup (max) No. of simultaneous SSL VPN clients New connections per second Number of main gateways (max)/backup (max) Number of main gateways (max)/backup (max) Number of filtering rules (recommended / specific config) Number of filtering rules (recommended / specific config) Number of filtering rules (recommended / specific config) Nax number of static routes Nax number of dynamic routes Nax number of d	IPSec VPN throughput - AES-GCM	1 Gbps
SEL VPN throughput 200 Mpp No. of simultaneous SSL VPN clients 2 NETWORK CONNECTIVITY Concurrent connections 155 0 0 0 15 0 0 0 0	IPSec VPN throughput - AES-GCM (IMIX)	740 Mbps
No. of simultaneous SSL VPN clients NETWORK CONNECTIVITY Concurrent connections New connections per second Number of main gateways (max)/backup (max) CONNECTIVITY 10/100/1000/2500 Copper Interfaces SYSTEM Number of filtering rules (recommended / specific config) Max number of static routes Max number of dynamic routes Max number of static routes Max number of bynamic routes Max number of dynamic routes Max number of	Max number of IPSec VPN tunnels	5(
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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 can TPM chipset MTBF at 25°C (years) Size Desktop 1U (<1/2 19° Height (w/w.o rubber feet) x Width x Depth (mm) Weight Din rail (width 35mm EN 50022 standard 1.16 kg (2.56 lbs Power supply (AC) Power supply (AC) Power supply (DC) 100-240V 60-50Hz 1.2.2 Power consumption (max - AC) Power consumption (max - AC) Power consumption (max - DC) Noise level Fanles Thermal dissipation (max, BTU/h) Sperating temperature Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) Storage temperature -40° to 85°C (-40° to 185°F) Storage temperature -40° to 85°C (-40° to 185°F)	Max number of static routes	51:
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Storage TPM chipset MTBF at 25°C (years) So, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard of EN 50022 standa		
TPM chipset MTBF at 25°C (years) Installation Installation Installation DIN rail (width 35mm EN 50022 standard EN 5	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (N	
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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 13** Weight 1.16 kg (2.56 lbs Power supply (AC) 100-240V 60-50Hz 1.2** Power supply (DC) 12-48VDC 3-0.75** Power consumption (max - AC) 230V 50Hz 19.9W 0.23** Power consumption (max - DC) 48V 19.1W 0.40** Noise level Fanles Thermal dissipation (max, BTU/h) 8** Operating temperature -20° to 60°C (-4° to 140°F* Level of protection provided by the appliance (IP Code) IP2** Relative humidity when operating (without condensation) 0% to 95% @60°C (140°F* Storage temperature -40° to 85°C (-40° to 185°F*)	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (N HARDWARE Storage TPM chipset	MMS, Goose & SV), S7+ & IT SD care
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Power supply (AC) Power supply (DC) Power supply (DC) Power consumption (max - AC) Power consumption (max - DC) Noise level Thermal dissipation (max, BTU/h) Operating temperature Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) 1.16 kg (2.56 lbs) 100-240V 60-50Hz 1.2 230V 50Hz 19.9W 0.23 48V 19.1W 0.40 Fanles Fanles Consumption (max, BTU/h) 180 191 192 193 194 195 196 197 198 198 199 199 199 199 199	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (N HARDWARE Storage TPM chipset MTBF at 25°C (years)	SD card SD car
Power supply (AC) 100-240V 60-50Hz 1.2/ Power supply (DC) 12-48VDC 3-0.75/ Power consumption (max - AC) 230V 50Hz 19.9W 0.23/ ABV 19.1W 0.40/ Noise level Fanles Thermal dissipation (max, BTU/h) Operating temperature Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) 0% to 95% @60°C (140°F Storage temperature -40° to 85°C (-40° to 185°F	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Note that the second secon	MNS, Goose & SV), S7+ & IT SD care 50, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard Desktop 1U (<1/2 19°
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Power consumption (max - AC) Power consumption (max - DC) Noise level Thermal dissipation (max, BTU/h) Operating temperature Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) 230V 50Hz 19.9W 0.23 48V 19.1W 0.40 Fanles -20° to 60°C (-4° to 140°F 1P2: Relative humidity when operating (without condensation) 0% to 95% @60°C (140°F -40° to 85°C (-40° to 185°F	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Note that the second secon	SD care SD care SD care SD care SD, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard Desktop 1U (<1/2 19" 42/46 x 165 x 13' 1.16 kg (2.56 lbs)
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Noise level Thermal dissipation (max, BTU/h) Operating temperature Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) O'k to 95% @60°C (140°F) Storage temperature -40° to 85°C (-40° to 185°F)	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Natural Natural N	SD care SD care SD care SD care SO, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard Desktop 1U (<1/2 19* 42/46 x 165 x 13* 1.16 kg (2.56 lbs) 100-240V 60-50Hz 1.2/ 12-48VDC 3-0.75/
Thermal dissipation (max, BTU/h) Operating temperature Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) Ok to 95% @60°C (140°F Storage temperature -40° to 85°C (-40° to 185°F	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Note that the second secon	SD carr SD carr SD carr 50, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard Desktop 1U (<1/2 19° 42/46 x 165 x 13° 1.16 kg (2.56 lbs 100-240V 60-50Hz 1.20° 12-48VDC 3-0.750° 230V 50Hz 19.9W 0.230°
Operating temperature -20° to 60°C (-4° to 140°F Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) 0% to 95% @60°C (140°F Storage temperature -40° to 85°C (-40° to 185°F	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Natural Natural N	SD care SD care SD care 50, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard Desktop 1U (<1/2 19° 42/46 x 165 x 13° 1.16 kg (2.56 lbs) 100-240V 60-50Hz 1.24 12-48VDC 3-0.754 230V 50Hz 19.9W 0.234
Level of protection provided by the appliance (IP Code) Relative humidity when operating (without condensation) 0% to 95% @60°C (140°F Storage temperature -40° to 85°C (-40° to 185°F	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Note that the second state of the	MS, Goose & SV), S7+ & IT SD care SD care SO, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard Desktop 1U (<1/2 19" 42/46 x 165 x 13" 1.16 kg (2.56 lbs) 100-240V 60-50Hz 1.2/12-48VDC 3-0.75/12-48VDC 3-0.75/12-48VDC 3-0.75/12-48V 19.1W 0.40/12-48V 19.1W 0.40/12-48VDC 3-0.40/12-48V 19.1W 0.40/12-48VDC 3-0.75/12-48VDC 3-0.75/12
Relative humidity when operating (without condensation) 0% to 95% @60°C (140°F -40° to 85°C (-40° to 185°F	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Natural National Natio	MS, Goose & SV), S7+ & IT SD carr 50, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard Desktop 1U (<1/2 19" 42/46 x 165 x 13' 1.16 kg (2.56 lbs 100-240V 60-50Hz 1.2/ 12-48VDC 3-0.75/ 230V 50Hz 19.9W 0.23/ 48V 19.1W 0.40/ Fanles
Storage temperature -40° to 85°C (-40° to 185°F	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Nature of the National Profits of the National Pr	SD card SD
9	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (NarDWARE Storage TPM chipset MTBF at 25°C (years) Installation Size Height (w/w.o rubber feet) x Width x Depth (mm) Weight Power supply (AC) Power supply (DC) Power consumption (max - AC) Power consumption (max - DC) Noise level Thermal dissipation (max, BTU/h) Operating temperature Level of protection provided by the appliance (IP Code)	SD card SD card SD card SD card SO, Rack, cabinet, wall mount of DIN rail (width 35mm EN 50022 standard) Desktop 1U (<1/2 19" 42/46 x 165 x 139 1.16 kg (2.56 lbs) 100-240V 60-50Hz 1.2/ 12-48VDC 3-0.75/ 230V 50Hz 19.9W 0.23/ 48V 19.1W 0.40/ Fanles: 80 -20° to 60°C (-4° to 140°F
	PROFINET, SOFBUS/LACBUS, IEC 60870-5-104, IEC 61850 (Nature Profits of the National Profits of the Nat	SD card SD

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 fltering (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 - Policybased routing (PBR) - QoS management - DHCP client/relay/server - NTP client - DNS proxycache - 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

* 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