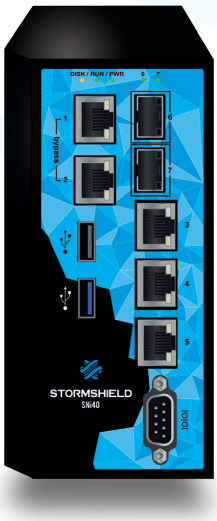
STORMSHIELD



SECURITY SOLUTION FOR INDUSTRIES

Stormshield SNi40

NETWORK SECURITY | ENDPOINT SECURITY | DATA SECURITY

Stormshield SNi40

THE SECURITY SOLUTION DEDICATED TO OPERATING SYSTEMS WITH STRICT INDUSTRIAL CONSTRAINTS

Industrial systems (OT) are permanently exposed to the threat of external attacks or internal malicious acts. In an industrial setting, the human and environmental risks incurred may be particularly critical - equipment must be available at all times to prevent the potentially significant consequences of production coming to a standstill.

IMPACT-FREE PROTECTION

Detect and protect without impacting your industrial activity. This security appliance can be installed easily in industrial environments thanks to a simple setup procedure.

INTEGRATE A PRODUCT ADAPTED TO YOUR ENVIRONMENTS

The network security product range is adapted to your requirements: in an IT Hardware format to protect the IT network or in an OT Hardware format with Stormshield SNi40, an appliance specifically designed to protect PLCs (Programmable Logic Controller).

ONE -STOP ADMINISTRATION

With Stormshield Network Security's global solution, integrate a single software product for a one-stop administration process regardless of the area of activity (OT or IT).

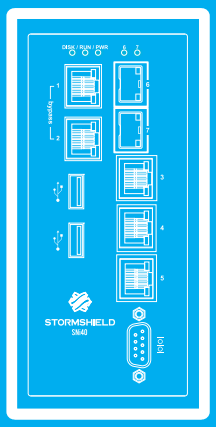
MAP YOUR ACTIVE APPLIANCES

Thanks to our visual monitoring tool, view the list of active appliances on your network in real time. This global view of your network provides welcome assistance in the regular management of your system's inventory.

KEY ADVANTAGES OF THE SOLUTION

Stormshield Network Security
Unique solution for industries

- Standard 1U/2U and DIN rail
- Ease of use with the management console
- A single program for all appliances
- IP-based protocols
- Industrial protocols
- Innovative vulnerability detection tool

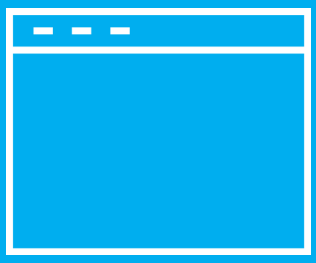


Designed for industry

The Stormshield SNi40 security solution has been specially developed to resist the harsh conditions of industrial environments such as impacts, electromagnetic interference, dust and event extreme temperatures.

Single interface

For machine operators who are new to information security, the administration of Stormshield security solutions is both simple and intuitive. Its single interface allows them to save a considerable amount of time.



Easy integration

The SNi40 security solution blends perfectly into the industrial production process without adversely impacting it.

Technical specifications

PERFORMANCE*	
Firewall throughput (UDP, 1518 bytes)	4,8 Gbps
Firewall throughput (IMIX**)	2,4 Gbps
IPS throughput (UDP, 1518 bytes)	2,9 Gbps
IPS throughput (1 MB HTTP)	1,8 Gbps
VPN*	
IPSec throughput - AES128/SHA1	1,1 Gbps
IPSec throughput - AES256/SHA2	0,8 Gbps
Max no. of IPSec VPN tunnels	500
Max no. of SSL VPN clients in portal mode	75
Max no. 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
Max number of interfaces (Agg, Dialup, ethernet, loopback, VLAN, pptp, ...)	390
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	
Supported	Modbus, S7 200-300-400, EtherNet/IP, OPC UA, IEC-60870-5-104, OPC DA
Projected	BACnet/IP

HARDWARE	
Storage	32 GB SSD
Log partition	> 20 GB SSD
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)
Packed Height x Width x Depth (mm)	139 x 283 x 215
Packed weight	2.10 kg (4.63 lbs)
MTBF (years) @ +25°C	26.6
Redundant power supply (DC)	2x12-36VDC 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
Operating temperature	-40° to +75°C (-40° to +167°F)
Relative operating humidity (non-condensing)	0% to 90%
Level of protection provided by the appliance (IP Code)	IP30
Storage temperature	-40° to +85°C (-40° to +185°F)
Relative storage humidity (non-condensing)	5% to 95%
CERTIFICATIONS	
Compliance	CE/FCC EN 61000-6-2:2005 EN 61000-6-4:2007/A1:2011 IEC 61000-4-18:2006/A1:2010 IEC 60068-2

Noncontractual document.

** Performance is measured in a laboratory and under conditions ideal for version 3.x. Results may vary depending on test conditions and software version.*

*** Size of the IP frame 60% (48 bytes)– 25% (494 bytes) – 15% (1,500 bytes)*

STORMSHIELD

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