



STORMSHIELD

# SN-M-SERIES

520

**Up to 18.9 Gbps**

FIREWALL PERFORMANCE

**Up to 7.5 Gbps**

VPN PERFORMANCE

**All-in-one solution**

SME/SMI

NETWORK SECURITY



# BOOSTS YOUR COMPANY'S CONNECTIVITY



## Adaptability and modularity

Network modularity with copper and fiber interfaces (1 GbE, 2.5 GbE, 10 GbE and 25 GbE) and integration into telecoms racks, adapting perfectly to your infrastructure.

## An all-in-one security solution

The integrated reports give SMEs and SMIs visibility over the protection of their infrastructure, control of access to applications and secure web browsing for their employees.

## Business continuity

High availability, redundant power supply and link aggregation functions guarantee business continuity.

## FOR EUROPEAN CYBERSECURITY

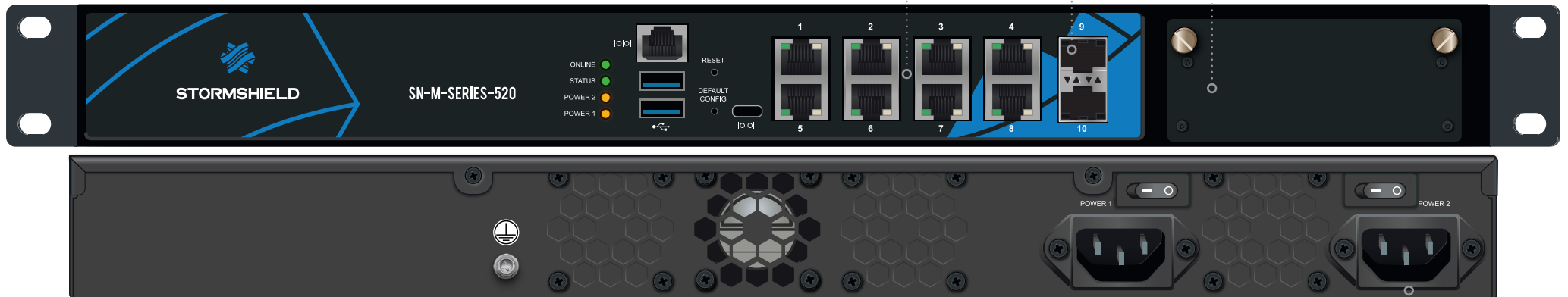
When you choose Stormshield, you gain true strategic independence and peace of mind in a highly charged geopolitical context.

Completely developed in France, our firmware has received certification from leading European cybersecurity agencies such as ANSSI (France) and CCN (Spain), as well as Standard Qualification.

**2 fiber interfaces**  
1 Gb

**8 copper interfaces**  
100/1000/2500

**1 extension**  
Copper and fiber modularity  
(1Gb/10Gb/25Gb)



**Redundant**  
power supply

# ESSENTIAL DATA



Network connectivity  
**8**

Copper interfaces 2.5 GbE



Network extension  
**Modularity**

1 slot  
(1 GbE, 2.5 GbE, 10 GbE and 25 GbE)

SN-M-Series

# 520



Performance  
**18.9 Gbps**

Firewall



VPN  
**7.5 Gbps**

IPsec throughput



Performance  
**10.6 Gbps**

Firewall (IMIX)



Threat prevention  
**1.5 Gbps**

Throughput



# FEATURES

**Non-contractual document.** The features mentioned are for version 5.x.

## Network modularity

A choice of **copper (1 GbE, 2.5 GbE and 10 GbE) or fiber (1 GbE, 10 GbE and 25 GbE) network interfaces** ensures a perfect fit with your infrastructure.

## All-in-one equipment

Integrated reports enable you to **monitor the security policy implemented across all security functions** (firewall, intrusion prevention, application control, VPN, antivirus, antispam, web filtering, etc.).

## Business continuity

High-availability and redundant power supply features ensure equipment availability. Link aggregation ensures that **traffic is reallocated in the event of network failure.**

## ... and unique firmware

Stormshield offers a unique, ergonomic interface for managing its products range. This **reduces operating costs, facilitates the management** of IT teams and **saves time** for the company.

## And more features

### Usage control

Firewall/IPS/IDS mode • Identity-based firewall • 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) • 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) • Policy-based routing (PBR) • QoS management • DHCP client/relay/server • NTP client • DNS proxy-cache • HTTP proxy • Aggregate links (LACP, Broadcast Mode and Redundancy) • 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 v2, v3 agent • IPFIX • Automated configuration backup • External storage (option) • Open API • Script recording • High availability.

## STORMSHIELD

### PERFORMANCE<sup>1</sup> 520

Firewall throughput (1518 bytes UDP)	<b>18.9 Gbps</b>
Firewall throughput (IMIX)	<b>10.6 Gbps</b>
IPS throughput (1518 bytes UDP)	<b>13.8 Gbps</b>
IPS throughput (IMIX)	<b>4.1 Gbps</b>
Threat protection*	<b>1.5 Gbps</b>

\* Threat protection is measured with firewall, IPS, antivirus, IP reputation, and web application security enabled, using a realistic traffic mix, and with logging enabled.

### VPN 520

IPsec throughput - AES-GCM (1408 bytes)	<b>7.5 Gbps</b>
IPsec throughput - AES-GCM (IMIX)	<b>3.7 Gbps</b>
Nb of IPsec VPN tunnels (1024 kbps per tunnel)	<b>1,500</b>
Nb of SSL VPN clients	<b>500</b>

### NETWORK CONNECTIVITY 520

Max number of simultaneous sessions	<b>600,000</b>
Nb of new sessions/sec.	<b>90,000</b>
Nb of main gateways (max)/backup (max)	<b>64/64</b>

### CONNECTIVITY 520

2.5 Gb copper interfaces	<b>8-16</b>
10 Gb copper interfaces	<b>0-4</b>
1 Gb fiber interfaces	<b>2-10**</b>
10 Gb fiber interfaces (dual speed)	<b>0-4**</b>
25 Gb fiber interfaces	<b>0-2</b>
Slot for extension modules	<b>1</b>

\*\* Requires transceivers

### SYSTEM 520

Nb of filtering rules (recommended/specific config.)	<b>4,096/16,384</b>
Max number of static routes	<b>5 120</b>
Max number of dynamic routes	<b>10,000</b>
High availability	<b>Active-Passive</b>

# TECHNICAL SPECIFICATIONS

### HARDWARE 520

Storage	<b>256 GB SSD</b>
Log partition	<b>&gt; 200 GB</b>
MTBF at 25°C	<b>19 years</b>
Size	<b>1U -19"</b>
Height x Width x Depth (mm)	<b>44.45 x 440 x 360</b>
Weight	<b>4,17kg (9,19lbs)</b>
Power supply	<b>AC : 100-240V 60-50Hz 1,7A</b>
Redundant power supply	<b>Double integrated, not hot-swappable</b>
Power consumption (idle/avg/max in Watt)	<b>27/44/51</b>
Fans	<b>1</b>
Noise level	<b>59 dBA</b>
Thermal dissipation (idle/avg/max in BTU/h)	<b>92/150/174</b>
Operating environment	Temperature: <b>0° to 40°C (32° to 104°F)</b> Humidity: <b>0% to 95% @ 40°C (104°F)</b>
Storage environment	Temperature: <b>-30° to 65 °C (-22° to 149 °F)</b> Humidity: <b>5% to 95% @ 60°C (140°F)</b>

### CERTIFICATIONS 520

Compliance	<b>CE/FCC/CB</b>
Certifications	<b>EAL4+, Qualification Standard, Producto CCN Aprobado &amp; Cualificado, IEC-62443-4-1</b>

<sup>1</sup> Performance is measured in a laboratory environment under ideal conditions for version 5.x. Results may vary depending on test conditions and software version.

# EXTENSION MODULES

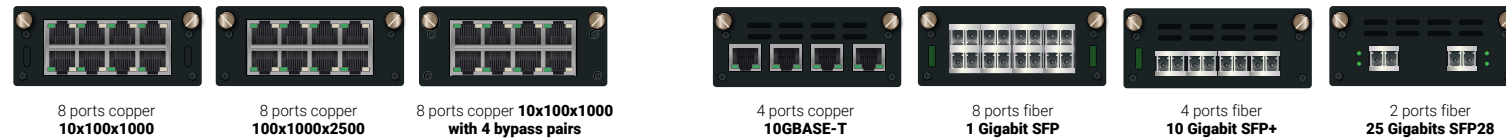
TYPE	EXTENSION MODULE	Nb	REFERENCE
Fiber	1 Gigabit SFP	8 ports	NA-EX-CARD-8xG-FIB
Fiber	10 Gigabit SFP+	4 ports	NA-NW-CARD-4x10G-F
Fiber	25 Gigabit SFP28	2 ports	NA-EX-CARD-2x25G-F <sup>1</sup>

TYPE	EXTENSION MODULE	Nb	REFERENCE
Copper	10x100x1000	8 ports	NA-EX-CARD-8xG-COP
Copper	10x100x1000 with 4 bypass pairs	8 ports	NA-EX-CARD-BP-8xG-C <sup>1</sup>
Copper	100x1000x2500	8 ports	NA-EX-CARD-8x2_5G-C <sup>2</sup>
Copper	10GBASE-T	4 ports	NA-EX-CARD-4x10G-COP

<sup>1</sup>: Requires firmware version 4.8.1 and higher  
<sup>2</sup>: Requires BIOS R1.01

TYPE	ON-BOARD INTERFACE CONNECTORS	REFERENCE
Fiber	Gigabit SFP 1000Base-SX (short distance)	NA-TRANS-SFP-SX
Fiber	Gigabit SFP 1000Base-LX (long distance)	NA-TRANS-SFP-LX
Copper	1000BASE-T, RJ45 over SFP	NA-TRANS-SFP-COPPER

## SN-M-Series-520



# SERVICE PACKS

## ESSENTIAL SECURITY PACK

Corporations seeking unified protection from threats conveyed by the web or electronic mail and wishing to closely monitor the online activity of their users would find it advantageous to subscribe to this pack. With network segmentation, secure communications, SD-WAN, intrusion prevention, and Zero Trust Network Access (ZTNA), they are assured of an essential level of security.

## PREMIUM SECURITY PACK

This pack focuses on corporations with stringent security requirements, by **providing the best technology for countering even the most sophisticated attacks. Advanced antimalware system with emulation technology and URL filtering in cloud mode based on more than 70 categories (Extended Web Control)** will raise your protection to a level that is unrivalled on the market.

### Next-Generation Firewall

- Layer 7 Firewall
- Geolocation
- Web applications
- User authentication, MFA & SSO

### Secure SD-WAN & ZTNA

- IPsec VPN gateway
- Postquantum encryption
- SSL VPN gateway & client
- Device posture assessment

### Threat Protection

- IPS/IDS
- Trusted public certificates
- Antispam
- Threat intelligence (IP & domains)
- Extended Web Control (URL filtering)
- Antimalware
- Breach Fighter AI-powered sandboxing
- Industrial protocols DPI

### Services

- Software maintenance
- Hardware maintenance
- Standard support access
- Automated configuration backup
- 24x7 technical support access
- Express exchange
- Secure return

### Essential Security Pack

### Premium Security Pack

Layer 7 Firewall	✓	✓
Geolocation	✓	✓
Web applications	✓	✓
User authentication, MFA & SSO	✓	✓
<b>Secure SD-WAN &amp; ZTNA</b>		
IPsec VPN gateway	✓	✓
Postquantum encryption	✓	✓
SSL VPN gateway & client	✓	✓
Device posture assessment	✓	✓
<b>Threat Protection</b>		
IPS/IDS	✓	✓
Trusted public certificates	✓	✓
Antispam	✓	✓
Threat intelligence (IP & domains)	✓	✓
Extended Web Control (URL filtering)	Option	✓
Antimalware	Option	✓
Breach Fighter AI-powered sandboxing	Option	✓
Industrial protocols DPI	Option	✓
<b>Services</b>		
Software maintenance	✓	✓
Hardware maintenance	✓	✓
Standard support access	✓	✓
Automated configuration backup	✓	✓
24x7 technical support access	Option	Option
Express exchange	Option	Option
Secure return	Option	Option

## HARDWARE EXCHANGE

All security packs include hardware maintenance in order to ensure business continuity in the event of a hardware failure. Your appliance will simply be exchanged for a similar replacement product. Three levels of service are available.

### Standard exchange

Your appliance will be exchanged once our customer service center receives the defective appliance.

### Express exchange

Your appliance will be exchanged in advance. As soon as our support centers diagnose a hardware failure, the replacement product will be sent, which you would receive the next working day<sup>1</sup>.

### Serenity4all

With this service, you replace the product yourself once our support centers have diagnosed the malfunction fault<sup>2</sup>.

<sup>1</sup> Please check with us regarding the eligible countries and cities. Applies to diagnoses made before 1 p.m.

<sup>2</sup> Replacement products must be acquired in advance for this service.

# FOR OPTIMAL PROTECTION

**Stormshield offers options to cover your additional cybersecurity needs.**

**Neutralize the most sophisticated threats** with Stormshield Network Advanced Antivirus.

**Benefit from an advanced and reliable filtering solution** with Stormshield Extended Web Control.

**Expand your home office** with highly secure remote access with Stormshield VPN Client.

## ANY DOUBTS ABOUT THE ATTACHMENTS



Stop risking the security of your infrastructure with a dubious attachment and put it to the test with Stormshield Breach Fighter.

→ [breachfighter.stormshieldcs.eu](https://breachfighter.stormshieldcs.eu)

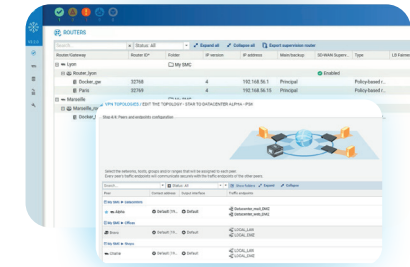
# MANAGE YOUR SECURITY WITH EFFICIENT TOOLS



## A decision-making tool

with Stormshield Log Supervisor

**Optimize your research tasks and incident response.** And thanks to its quick overview of system effectiveness, you will have peace of mind knowing your security investments are worthwhile.



## Management of large infrastructures

with Stormshield Management Center

**Stormshield Management Center exchanges SNS firewalls configuration and monitoring data in real time, while ensuring their confidentiality and integrity.** Its intuitive graphical interface minimizes configuration errors and its global management of security and filtering policies eliminates repetitive tasks.

# THE **EUROPEAN** **CHOICE** IN **CYBERSECURITY**

[www.stormshield.com](http://www.stormshield.com)