



# STORMSHIELD

NETWORK SECURITY

## STORMSHIELD SN-M-SERIES-520

Boost your business connectivity



### SD-WAN

CONNECTIVITY

### 10 Gbps

FIREWALL  
PERFORMANCE

### 2.5 Gbps

VPN IPSEC  
PERFORMANCE

### Modularity

NETWORK &  
PERFORMANCES



### ⚡ Effortless integration

With advanced network features and modularity, the SN-M-Series-520 fits seamlessly into your infrastructure without impact.

### 🏠 Adaptability and modularity

- Network expansion capability with copper and fiber interfaces (1GbE, 2.5GbE and 10 GbE)
- Redundant power supply for business continuity
- Integration with existing infrastructure telecom racks

### 🛡️ Optimal security

- Securing VPN secrets with TPM chip
- IPsec VPN and intrusion prevention
- Access management

### ⚙️ All-in-one equipment

- WAN link management - SD-WAN
- High availability
- Interactive reporting for risk mitigation

NEXT GENERATION UTM  
& FIREWALL

MEDIUM-SIZED  
ORGANIZATIONS

[WWW.STORMSHIELD.COM](http://WWW.STORMSHIELD.COM)

# TECHNICAL SPECIFICATIONS

## PERFORMANCE\*

Firewall throughput (1518 byte UDP)	10 Gbps
IPS throughput (1518 byte UDP)	5 Gbps
IPS throughput (1 MB HTTP)	2.5 Gbps
Antivirus throughput	1.3 Gbps

## VPN\*

IPSec throughput - AES-GCM	2.5 Gbps
Max number of IPSec VPN tunnels	1,000
Number of SSL VPN clients in portal mode	150
Number of simultaneous SSL VPN clients	150

## NETWORK CONNECTIVITY

Max number of simultaneous sessions	600,000
Number of new sessions/sec.	30,000
Number of main gateways (max)/backup (max)	64/64

## CONNECTIVITY

10/100/1000 interfaces	8-16
10 Gb copper interfaces	0-4
1 Gb fibre interfaces	2-10 <sup>1</sup>
10 Gb fibre interfaces (Dual speed)	0-4 <sup>1</sup>
Optional network extension modules (8 ports 1Gb copper - 4 ports 10Gb copper - 4 ports 1Gb fiber - 8 ports 1 Gb fiber - 4 ports 10Gb fiber)	1

## SYSTEM

Number of filtering rules (recommended / specific config)	4,096 / 16,384
Max number of static routes	5,120
Max number of dynamic routes	10,000

## REDUNDANCY

High availability (active/passive)	✓
Redundant power supply	Double integrated non-hot swappable

## HARDWARE

Storage	✓
Log partition	> 200 Gb
TPM chip	✓
MTBF at 25°C (years)	18
Size	1U - 19"
Height x Width x Depth (mm)	44,45 x 440 x 343
Weight (kg)	4,17
Power supply (AC)	100-240 V 60-50 Hz 3-1.5 A
Power consumption (max)	230V 50Hz 112W 0,57A
Fans	2
Noise level	57 dBA
Thermal dissipation (max, BTU/h)	184
Operating temperature	0° to 40 °C (32° to 104 °F)
Relative humidity when operating (without condensation)	0% to 90% at 40°C
Storage temperature	-30° to 65 °C (-22° to 149 °F)
Relative humidity for storage (without condensation)	5% to 95% at 60 °C

## CERTIFICATIONS

Compliance	CE/FCC/CB
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<sup>1</sup> Requires transceivers

# 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) - Multi-user authentication in cookie mode (Citrix-TSE) - Guest and sponsorship mode authentication, webservices.

## PROTECTION FROM THREATS

Intrusion detection and prevention - Protocol auto-detection and compliance check - Application inspection - Protection from denial of service (DoS) attacks - Protection from SQL injections - Protection from Cross-Site Scripting (XSS) - Protection from malicious Web2.0 code and scripts - Trojan detection - Detection of interactive connections (Botnets, Command&Control) - Protection against evasion techniques - Advanced fragmentation management - Automatic quarantining in the event of an attack - 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 hosted in Europe (option).

## CONFIDENTIALITY OF EXCHANGES

Site-to-site or nomad IPSec VPN - Remote SSL VPN access in multi-OS tunnel mode (Windows, Android, iOS, etc.) - SSL VPN agent with automatic configuration (Windows) - IPSec VPN support for Android/iPhone.

## NETWORK - INTEGRATION

IPv6 - NAT, PAT, transparent (bridge)/routed/hybrid modes - Dynamic routing (RIP, OSPF, BGP) - Multiple link management (balancing, failover) - Multi-level internal or external PKI management - Multi-domain directories (including internal LDAP) - Explicit proxy - Policy-based routing (PBR) - Quality of Service management - DHCP client/relay/server - NTP client - DNS proxy-cache - HTTP proxy - LACP management - Spanning-tree management (RSTP/MSTP) - SD-WAN, Multifactor Authentication (MFA).

## MANAGEMENT

Web-based management interface with privacy mode (GDPR compliant) - Object-oriented security policy - Contextual security policy - Real-time configuration support - Firewall rule usage counters - Multiple installation wizards - Global/local security policy - Embedded log reporting and analysis tools - Interactive and customisable reports - Support for multiple syslog servers: UDP/TCP/TLS - SNMP v1, v2c, v3 agent - IPFIX/NetFlow - Automated configuration backup - Open API - Script recording.

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**Non-contractual document.** The features mentioned are for version 4.x.

\* Performance is measured in a laboratory and under conditions ideal for version 4.x. Results may vary according to the test conditions and the software version.

The images in this document are non-contractual.