



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 (1 GbE, 2.5 GbE 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

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

100/1000/2500 copper interfaces	8-16
10 Gb copper interfaces	0-4
1 Gb fibre interfaces	2-10 ¹
10 Gb fibre interfaces (Dual speed)	0-4 ¹
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)	19
Size	1U - 19"
Height x Width x Depth (mm)	44.45 x 440 x 360
Weight	4.17kg (9.2lbs)
Power supply (AC)	100-240V 60-50Hz 1.7A
Power consumption (max)	230V 50Hz 63.3W 0.62A
Fans	1
Noise level	59 dBA
Thermal dissipation (max, BTU/h)	220
Operating temperature	0° to 40 °C (32° to 104 °F)
Relative humidity when operating (without condensation)	0% to 95% 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/RCM/UKCA/CB
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¹ 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) - 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, 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 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.