STORMSHIELD

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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

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**

[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.

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) - Multicast - 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 - Connected or disconnected security updates - 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.