gateprotect®
A Rohde & Schwarz Company

GATEPROTECT NETWORK PROTECTOR-S101
NEXT GENERATION FIREWALL

gateprotect NP-S is the turnkey solution for all network security and management needs of small companies or branch offices. It is no harder to set up than your home router, yet offers complete protection for environments with up to 100 users.

gateprotect NP addresses all current and emerging network threats in a holistic manner that combines application identification, traffic management, anti-virus and malware filter, intrusion prevention system (IPS) and web filtering. The appliance uses a purpose-built highly parallelized, context-aware, single-pass engine that allows multiple actions to be performed on the network traffic simultaneously while tracking each session's context.

This single-pass engine uses the combined intelligence of comprehensive signature databases for hundreds of applications, thousands of threats and millions of URLs to provide maximum network protection without compromising firewall throughput.

SecurITy made in Germany

Specifications	NP-S101
Interfaces	
Ports (GigE + 10G + Mgmt)	5 + 0 + 1
System Performance[1]	
Firewall throughput[2] (MBit/s)	1 700
VPN throughput[3] (MBit/s)	600
UTM throughput[4] (MBit/s)	600
Concurrent sessions	70 000
New sessions per second	17 000
Max. no. of zones	25
Properties	
HA[5]	✓
Dimensions	
H x W x D (mm)	44 x 426 x 320
Weight (kg)	4.5
Power	
Input Voltage (V)	90 – 240
Full load power consumption (W)	100
Environmental	
Operating temperature (°C)	0 – 40
Operating humidity	5 – 85 % at 40 °C
Hardware Certification	FC CE UL

[1] System performance depends on application level and number of active VPN connections.
[2] pass_all rule / [3] IPSec S2S / [4] UTM: all features enabled (IPS, malware, web filter, Appsigs) / [5] only active-passive

We do not offer an express or implied warranty for the correctness /up-to-dateness of the information contained herein (which may be changed at any time). Future products or functions will be made available at an appropriate time.

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gateprotect, a Rohde & Schwarz company, is a global provider of network security solutions. It offers next-generation firewalls with all common unified threat management features for small and medium-sized companies, managed security systems for large enterprises and VPN client systems for interconnecting subsidiaries and home offices. Since 2013, the gateprotect portfolio has also included Complete Security, effective protection for networks and endpoints from a single source.

gateprotect solutions comply with highest international standards. In 2013, the firewall packet filtering core was certified in accordance with Common Criteria Evaluation Assurance Level 4+ (EAL 4+) by the German Federal Office for Information Security. gateprotect was the first German company to receive the prestigious Frost & Sullivan Excellence Award, bestowed for the easy operability and comprehensive security of the company's UTM firewall solutions. Since 2010, gateprotect has been listed in the Gartner Magic Quadrant for Unified Threat Management.

The Rohde & Schwarz electronics group offers innovative solutions in the following business fields: test and measurement, broadcast and media, secure communications, cybersecurity, radiomonitoring and radiolocation.

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FUNCTIONS

Feature Specifications

UNIFIED THREAT MANAGEMENT

Web Filter
- Part of the unique Single Pass Engine
- Block rules up to user level
- Blacklists / Whitelists
- Category based website blocking
- Granular filters based on http protocol decoding
- Symantec patterns

Application Control
- Part of the unique Single Pass Engine
- Layer 7 Packet filter (DPI)
- Filter applications and protocols
- Detection & control of applications and protocols like Skype, Bittorrent as well as Web 2.0 applications like Facebook
- Protocol decoders for real time access to parameters like content type, cookies
- ipoque patterns

Antivirus
- Part of the unique Single Pass Engine
- HTTP, HTTPS
- FTP, POP3, SMTP
- Manual and automatic updates
- Bitdefender patterns

Intrusion Prevention*
- Part of the unique Single Pass Engine
- Rule groups can be selected
- Exceptions can be defined
- All interfaces are scanned
- DoS, portscan protection
- Malicious network packet protection
- Emerging Threats signatures

LAN / WAN SUPPORT
- Ethernet 10/100/1000 MBit/s
- 10 Gigabit Ethernet for L Series
- SFP and SFP+ Fibre optics support for L Series
- Adjustable MTU (Ethernet/DSL)
- PPP-PAP, PPP-CHAP authentication
- Time controlled Internet connections
- Manual and automatic DNS assignment
- DMZ
- Zone based networking

VLAN
- 4094 VLAN per interface
- 802.1q ethernet header tagging
- Combinable with bridging

Bridge Mode
- OSI layer 2 firewall function
- Two interfaces per bridge
- Combinable with OpenVPN

HIGH AVAILABILITY
- Active-passive HA

LOGS, REPORTS, STATISTICS
- Logging to multiple syslog servers
- Logs in admin client (with filter)
- IP / User and Zone statistics
- TOP lists
- Application and protocol hit and traffic statistics
- Interface statistics
- Domain statistics
- Rule statistics

MANAGEMENT
- Role based firewall administration

Ergonomic Graphic User Interface
- Immediate visual feedback for each setting
- Self-explanatory functions
- Supports mobile devices

MONITORING
- Network (interfaces, routing, traffic, errors)
- Processes
- VPN

TRAFFIC SHAPING / QOS
- Traffic Shaping and Priorisation on per rule basis

VPN
- Site-to-Site
- Client-to-Site (Road Warrior)
- PPTP
- OpenVPN
- IPSec

IPSec
- Tunnel mode
- IKEv1, IKEv2
- PSK
- DPD (Dead Peer Detection)
- NAT-T
- XAUTH, L2TP

SSL
- Bridge mode VPN

BACKUP & RECOVERY
- Small backup files
- Automatic and time based backups

USER AUTHENTICATION
- Active Directory / LDAP support
- Local User database
- Web-interface authentication
- Captive Portal

* except gateprotect NP-S50

eGUI®

Security made in Germany

YOUR BENEFITS

- Granular application control of network traffic for maximum business security
- Full threat protection feature set: unified policy rules engine for application control, web filter, intrusion prevention system, malware filter and antivirus
- Responsive, open platform GUI for precise security administration anywhere and reduced operational cost
- Performance designed to have all security functions enabled
- Security »Made in Germany«