gateprotect®

# Feature overview V8.6 - VPN Appliances

March 2010

## VPN Gateway for the fast and secure connection of branches via VPN

The VPN appliances are designed for the fast and secure connection of corporate networks via VPN. Due to the use of a VPN - Crypto acceleration chip the appliances have an outstanding throughput and performance.

With its unique, patented eGUI® technology (ergonomic Graphic User Interface) gateProtect VPN Appliances increase the effective IT security in your business, set new standards in improving maintenance efficiency, and lower the resulting operating costs.

Highly flexible, gateProtect Web / Mail Appliances are perfectly suited to business networks of any size.

Bundesministerium für Wirtschaft und Technologie

Security made in Germany

## Feature Specifications

### Firewall
- Stateful inspection
- Connection-tracking TCP/UDP/ICMP
- SPI and proxy combinable
- Time controlled firewall rules, content filter and internet connection
- IP-ranges, IP-groups
- Layer7-filter
- Port-ranges
- Self- and predefined ports
- Supported protocols: TCP, UDP, ICMP, GRE, ESP, AH

### Management
- eGUI technology
  - ISO 9241 certified
  - visual feedback immediately supplied for each setting
  - self-explanatory functions
  - overview of all active services
  - overview of the whole network
  - Layer and zoom function
- Languages: English, German, French, Italian
- Role-based firewall administration
- Role-based statistic-client
- SSH-CLI
- Desktop configuration saved / restored separately from backup
- CLI on serial line
- Object oriented firewall configuration

### LAN / WAN-support
- Ethernet 10/100/1000/10000 Mbit/s
- Twisted-Pair / Fibre-Optics
- MTU changeable (Ethernet/DSL)
- PPPoE, PPTPoE
- ISDN
- PPP-PAP, PPP-CHAP authentication
- Inactivity timeout
- Forced disconnect time
- Cablemodem, xDSL
- Concurrent connections
- Backup-connections
- Connection availability check
- Loadbalancing
- Time controlled internet connections
- Manual and automatic DNS assignment
- Multiple dyn-DNS support
- Supports 8 different dyn-DNS-services
- Source based routing
- Routing protocols RIP, OSPF

### DHCP
- DHCP-relay
- DHCP-client

### VLAN
- Max. 4094 VLAN per interface possible
- 802.1q ethernet header tagging
- Combinable with bridging

### User authentication
- Active Directory supported
- Active Directory groups integration
- OpenLDAP supported
- Local userdatabase
- Web-interface authentication (port changeable)
- Windows-client authentication
- Authentication on domain login
- Single sign on with Kerberos
- Single- and multi login
- Login and logoff auditing
- User- and group statistics

### Bridge-mode
- OSI-layer 2 firewall-function
- Spanning tree (bride-ID, port-cost)
- Unlimited bridges
- Unlimited interfaces per bridge
- Combinable with VPN-SSL

### Traffic shaping
- Up- and download shapeable
- Multiple internet connection separately shapeable
- All services separately shapeable
- Maximum and guaranteed bandwidth adjustable
- QoS with TOS-flags supported
- QoS inside VPN connection supported

### High availability
- Active-passive HA
- Synchronisation on single / multiple dedicated links
- Manually switch roles

### IDS/IPS
- Snort scan-engine
- 5000+ IDS-pattern
- Security-level adjustable
- Rule groups selectable
- Exceptions definable
- Email on IDS events
- DoS, DDoS, portscan protection
- Invalid network packet protection

### Backup
- Remote backup creation
- Small backup files (kb)
- Remote backup restore
- Restore backup on installation
- Automatic and time based creation of backups
- Automatic upload of backups on FTP- or SCP-Server
- Auto-install-USB-stick with backup integrated

### Monitoring
- System-Info
- CPU- / memory usage
- Long-term-statistic
- HDD-status (partitions, usage, RAID)
- Network status (interfaces, routing, traffic, errors)
- Process-monitoring
- VPN-monitoring
- User-authentication-monitoring

### SNMP
- SNMPv2c
- SNMP-traps
- Auditing of:
  - CPU / Memory
  - HDD / RAID
  - Ethernet-interfaces
  - Internet-connections
  - VPN-tunnel
  - Users
  - Statistics, updates
  - DHCP
  - HA

### VPN
- VPN-wizard
- Certificate-wizard

IPSec
- Site-to-site
- Client-to-Site (Road warrior)
- Tunnel-Mode
- IKEv1, IKEv2
- PSK
- X.509-certificates
- 3DES, AES (128, 192, 256) Blowfish (128, 192, 256)
- DPD (Dead Peer Detection)
- NAT-T
- Compression
- PFS (Perfect Forward Secrecy)
- MD5, SHA1, SHA2 (256, 384, 512)
- Diffi Hellman group (1, 2, 5, 14, 15, 16,17,18)
- export to One-Click-Connection
- XAUTH, L2TP

SSL
- Site-to-site
- Client-to-Site (Road warrior)
- Routing-Mode-VPN
- Bridge-Mode-VPN
- X.509-certificates
- TCP/UDP port changeable
- Compression
- specify WINS- and DNS-servers
- 3DES, AES (128, 192, 256) CAST5, Blowfish
- Export to One-Click-Connection

### VPN

PPTP
- Windows-PPTP compatible
- Specify WINS- and DNS-servers
- MSCHAPv2

X.509 certificates
- CRL
- OCSP
- Templates
- Multi CA support
- Multi host-cert. support

### VPN-client
- IPSec-client
- SSL-client (OpenVPN)
- NAT-T
- AES (128, 192, 256), 3DES CAST, Blowfish
- X.509 certificates
- PSK
- One-Click-Connection
- Log-export

SC Magazine ★★★★★

ZDNet ★★★★☆

network Computing ★★★☆☆

PC ★★★★★

Computerworld.ch ★★★★★

entwickler magazin ★★★★☆

InfoWeek.ch ★★★★★

Computer Reseller News ★★★★★

gateprotect®

# Feature overview V8.6 - VPN Appliances

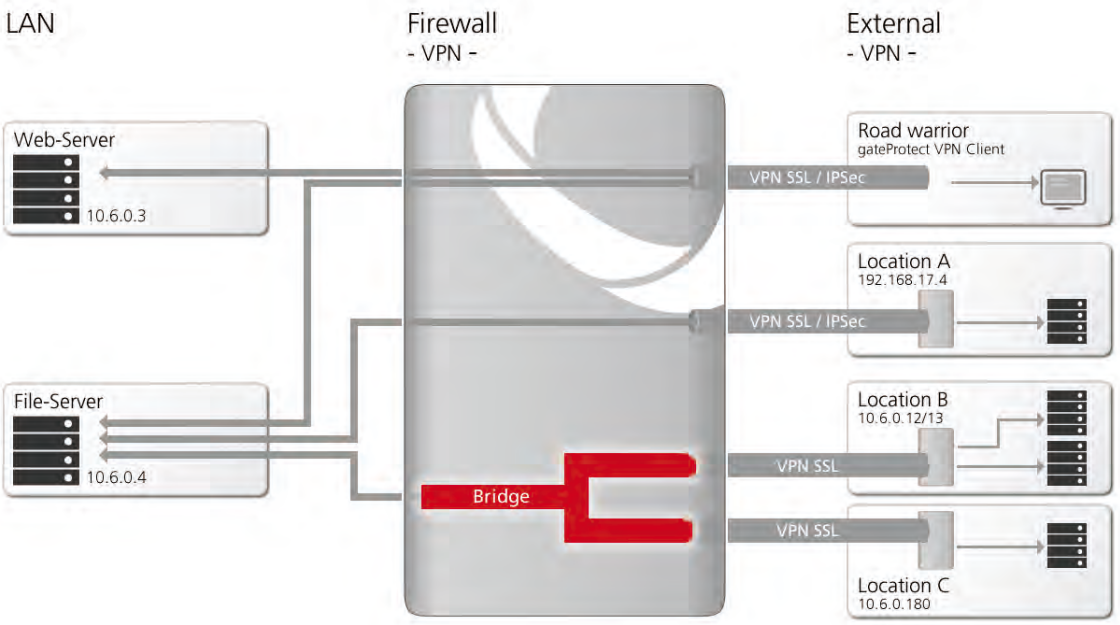
March 2010

| Specifications | VPN 400 | VPN 600 | VPN 800 | VPN 1000 | VPN 2500 |
|---|---|---|---|---|---|
| | | | | | |
| **Interfaces** | | | | | |
| 10/100/1000 GBE Ports | 3 | 4 | 4 | 5 | 5 |
| VPN User | unlimited | unlimited | unlimited | unlimited | unlimited |
| Redundant - HDD (Raid) | - | - | - | Yes | Yes |
| Redundant - Power supply | - | - | - | Yes | Yes |
| **System Performance*** | | | | | |
| Firewall throughput (Mbps) | 1 400 | 1 800 | 3 500 | 5 000 | 9 000 |
| VPN IPSec throughput (Mbps) | 190 | 500 | 1 000 | 1 500 | 2 500 |
| Concurrent sessions | 500 000 | 600 000 | 1 000 000 | 1 300 000 | 2 500 000 |
| New sessions pr. Second | 8 000 | 10 000 | 16 000 | 20 000 | 30 000 |
| **Dimensions** | | | | | |
| H x W x D (mms) | 44 x 440 x 270 | 44 x 440 x 270 | 88 x 426 x 506 | 88 x 426 x 506 | 88 x 426 x 506 |
| Gross Weights (kgs) | 5,5 | 5,6 | 7,8 | 12,5 | 12,5 |
| **Power** | | | | | |
| Input Voltage | AC 100V-240V | AC 100V-240V | AC 100-240 | AC 100-240 | AC 100-240 |
| Consumption (W) - full load / rating | 35 / 78 | 35 / 78 | 118 / 275 | 199 / 375 | 199 / 375 |
| Total Heat Dissipation - full load / rating | 119 / 266 | 119 / 266 | 402 / 939 | 678 / 1280 | 678 / 1280 |
| Redundant Power Supply | - | - | - | yes | yes |
| **Environmental** | | | | | |
| Operating Temperature (°C) | 0 ~ 40 | 0 ~ 40 | 0 ~ 40 | 0 ~ 40 | 0 ~ 40 |
| Storage Temperature (°C) | -20 ~ 75 | -20 ~ 75 | -20 ~ 75 | -20 ~ 75 | -20 ~ 75 |
| Relative Humidity (Non condensing) | 10 ~ 85% | 10 ~ 85% | 10 ~ 85% | 10 ~ 85% | 10 ~ 85% |

## VPN Appliances Fast and secure connection to company network

gateProtect offers the most commonly used forms of current site-to-site and Road Warrior VPN connections via IPSec and SSL. Wizards and the eGUI® technology help with the management and set up of these connections. In addition, the firewall generates external configuration files when the VPN connections are created. These files can be used for setting up single click connections and also for site-to-site connections when importing on the firewall at a remote site.

Furthermore, gateProtect offers an IPSec and SSL site-to-site solution with X.509 certificates which can work in bridge mode as an option. For a normal bridge, two or more network cards are linked to form a logical network. gateProtect not only allows this for network cards but also for VPN-over-SSL connections. This makes it possible to treat remote computers as if they were in the local network.




Security made in Germany

Bundesministerium für Wirtschaft und Technologie

PC PRO

SC MAGAZINE

* System performance depends on activated proxies, IDS, application level and number of active VPN connections.

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

©2010 gateProtect AG Germany. All rights reserved.