

Feature overview - Next Generation Firewall Appliances

September 2011

The "Next Generation Firewall Appliances" from gateProtect are characterized by optimal scalability, security and performance. Thanks to a unique and patented eGUI® Technology, gateProtect sets standards when it comes to the configuration of modern security systems.

gateProtect's eGUI® Technology raises operating security and efficiency to a previously unattained level. Furthermore, gateProtect is the only manufacturer worldwide to implement the ISO NORM 9241 standard. gateProtect was recently honored with the Frost & Sullivan Best Practices Award 2011.



„The gateProtect ergonomic graphical user interface (eGUI) provides the most intuitive and effective visual UTM management interface available in the marketplace.“



Bundesministerium
für Wirtschaft
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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, Spanish, Turkish
 - 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
 - Direct Client Update function
- ▶ **LAN / WAN-support**
 - Ethernet 10/100/1 000*/10 000* 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
- ▶ **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
 - Web-Landing-Page
 - Login and logoff auditing
 - User- and group statistics
- ▶ **DHCP**
 - DHCP-relay
 - DHCP-client
 - DHCP-server (dynamic and fixed IP)
- ▶ **DMZ**
 - Port forwarding
 - PAT
 - Dedicated DMZ-links
 - DMZ-wizard
 - Proxy supported (SMTP)*
- ▶ **VLAN**
 - Max. 4094 VLAN per interface possible
 - 802.1q ethernet header tagging
 - Combinable with bridging
- ▶ **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
- ▶ **Proxies***
 - HTTP (transparent or intransparent)
 - Support for Radius-server, AD-server, local user-database
 - HTTPS, FTP,POP3,SMTP,SIP
 - Integrated URL-/ content-filter
 - Integrated antivirus-filter
 - Integrated spam-filter
 - Time-controlled
- ▶ **Antivirus***
 - HTTP, HTTPS, FTP, POP3, SMTP
 - Scans compressed data and archives
 - Scans ISO 9660-files
 - Exceptions definable
 - Manual and automatic updates
- ▶ **Web-filter***
 - URL-filter
 - Content-filter
 - Block rules up to user-level
 - Black-/ white-lists
 - Im- / export of URL-lists
 - File-extension blocking
 - Category-based website-blocking
 - Self definable categories
 - Scan-technology with online-database
 - Transparent HTTP-proxy support
 - Intransparent HTTP-proxy support
- ▶ **Antispam***
 - Online-scanner
 - Scan-level adjustable
 - Real-time-detection-center
 - Black- / white-email-sender-lists
 - Mail-filter
 - Black- / white-email-recipients-lists
 - Automatically reject emails
 - Automatically delete emails
 - AD-email-addresses import
- ▶ **High availability**
 - Active-passive HA
 - Synchronisation on single / multiple dedicated links
 - Manually switch roles
- ▶ **IDS/IPS***
 - Snort scan-engine
 - 5000+ IDS-pattern
 - Individual custom rules
 - Security-level adjustable
 - Rule groups selectable
 - Exceptions definable
 - Scanning of all interfaces
 - 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
- ▶ **Logging, Reporting***
 - Email notification
 - Logging to multiple syslog-servers
 - Categorized messages
 - Report in admin-client (with filter)
 - Export report to CSV-files
- ▶ **SNMP**
 - SNMPv2c
 - SNMP-traps
 - Auditing of:
 - CPU / Memory
 - HDD / RAID
 - Ethernet-interfaces
 - Internet-connections
 - VPN-tunnel
 - Users
 - Statistics, Updates
 - DHCP
 - HA
- ▶ **Statistics***
 - IP and IP-group statistic
 - Separate services
 - Single user / groups
 - TOP-lists (surfcontrol)
 - IDS-statistics
 - Traffic-statistics
 - Antivirus- / antispam-statistics
 - Defence statistics
 - Export statistic to CSV-files
- ▶ **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
 - 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
 - ▶ **Command Center**
 - eGUI Technology, ISO 9241 certified
 - Monitor 500+ firewalls
 - Active configuration of 500+ firewalls
 - VPN connections centrally creatable
 - Single- and group-backup
 - Plan automatic backup in groups
 - Single- and group update & licensing
 - Create and apply templates on multiple firewalls
 - Certificate based 4096 bit encrypted connections to the firewalls
 - Display settings of all firewalls
 - Role based command center user management
 - VPN-monitoring

* Not available in the GPO75/GPO75a

Feature overview V9.0 - Next Generation Firewall Appliances

September 2011

Specifications	GPO 75	GPO 125	GPA 250	GPA 400	GPA 600
					
Interfaces					
10/100 Ethernet Ports	4	4	-	-	-
10/100/1000 GBE Ports	-	-	4	6	8
SFP / SFP+ (Mini GBIC) Ports	-	-	-	-	-
VPN - Crypto acceleration chip	-	-	-	-	-
System Performance*					
Firewall throughput (Mbps)	200	350	1 000	2 000	3 500
VPN IPSec throughput (Mbps)	75	100	150	300	700
UTM throughput (Mbps)	-	75	150	250	400
IDS/IPS throughput (Mbps)	-	125	200	320	600
Concurrent sessions	75 000	200 000	500 000	1 000 000	1 250 000
New sessions pr. Second	2 000	4 000	7 000	10 000	15 000
Dimensions					
H x W x D (mms)	44 x 252 x 154	44 x 252 x 154	44 x 440 x 270	44 x 440 x 270	44 x 440 x 270
Gross Weights (kgs)	2,9	2,9	5,5	5,5	5,6
Power					
Input Voltage	AC 100V-240V	AC 100V-240V	AC 100V-240V	AC 100V-240V	AC 100V-240V
Consumption (W) - full load / rating	30 / 75	30 / 75	35 / 78	35 / 78	35 / 78
Total Heat Dissipation - full load / rating	102 / 256	102 / 256	119 / 266	119 / 266	119 / 266
Redundant Power Supply	-	-	-	-	-
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%

Specifications	GPX 800	GPX 1000	GPZ 2500	GPZ 5000
				
Interfaces				
10/100 Ethernet Ports	-	-	-	-
10/100/1000 GBE Ports	8	10	12	10
SFP / SFP+ (Mini GBIC) Ports	-	2/0	6/0	4/2
VPN - Crypto acceleration chip	Yes	Yes	Yes	Yes
Redundant - HDD (Raid)	-	Yes	Yes	Yes
Redundant - Power supply	-	Yes	Yes	Yes
System Performance*				
Firewall throughput (Mbps)	5 000	7 500	10 000	20 000
VPN IPSec throughput (Mbps)	1 500	2 000	2 500	4 000
UTM throughput (Mbps)	750	1 000	1 500	2 500
IDS/IPS throughput (Mbps)	1 000	1 500	2 500	3 000
Concurrent sessions	1 500 000	2 000 000	2 500 000	3 500 000
New sessions pr. Second	20 000	25 000	30 000	40 000
Dimensions				
H x W x D (mms)	88 x 426 x 506	88 x 426 x 506	88 x 426 x 506	88 x 426 x 506
Gross Weights (kgs)	7,8	12,5	12,5	12,5
Power				
Input Voltage (V)	AC 100-240	AC 100-240	AC 100-240	AC 100-240
Consumption (W) - full load / rating	118 / 275	199 / 375	199 / 375	199 / 375
Total Heat Dissipation (BTU) - full load / rating	402 / 939	678 / 1280	678 / 1280	678 / 1280
Redundant Power Supply	-	yes	yes	yes
Environmental				
Operating Temperature (°C)	0 ~ 40	0 ~ 40	0 ~ 40	0 ~ 40
Storage Temperature (°C)	-20 ~ 75	-20 ~ 75	-20 ~ 75	-20 ~ 75
Relative Humidity (Non condensing)	10 ~ 85%	10 ~ 85%	10 ~ 85%	10 ~ 85%

* 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.

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