

Feature overview V8.6 - xUTM Appliances

March 2010

xUTM appliances by gateProtect combine state-of-the-art security and network features such as firewalls, bridging, VLAN, single sign-on, traffic shaping, QoS, IPSec/SSL (X.509), IDS/IPS, web filtering, virus filtering, real-time spam detection, HTTPs proxy, and VPN Crypto acceleration in a single unified system.

With its unique, patented eGUI® technology (ergonomic Graphic User Interface) gateProtect's xUTM 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 xUTM appliances are perfectly suited to business networks of any size.



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
- ▶ **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
- ▶ **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
 - 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
- ▶ **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

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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 (Mini GBIC) Ports	-	-	-	-	-
VPN - Crypto acceleration chip	-	-	-	-	Yes
System Performance*					
Firewall throughput (Mbps)	200	200	800	1 400	1 800
VPN IPSec throughput (Mbps)	50	70	120	190	500
UTM throughput (Mbps)	-	35	90	140	200
IDS/IPS throughput (Mbps)	-	90	160	320	520
Concurrent sessions	50 000	150 000	300 000	500 000	600 000
New sessions pr. Second	1 500	2 500	5 000	8 000	10 000
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
  			
Interfaces			
10/100 Ethernet Ports	-	-	-
10/100/1000 GBE Ports	8	10	12
SFP (Mini GBIC) Ports	-	2	6
VPN - Crypto acceleration chip	Yes	Yes	Yes
Redundant - HDD (Raid)	-	Yes	Yes
Redundant - Power supply	-	Yes	Yes
System Performance*			
Firewall throughput (Mbps)	3 500	5 000	9 000
VPN IPSec throughput (Mbps)	1 000	1 500	2 500
UTM throughput (Mbps)	500	700	1 100
IDS/IPS throughput (Mbps)	830	1 200	2 500
Concurrent sessions	1 000 000	1 300 000	2 500 000
New sessions pr. Second	16 000	20 000	30 000
Dimensions			
H x W x D (mms)	88 x 426 x 506	88 x 426 x 506	88 x 426 x 506
Gross Weights (kgs)	7,8	12,5	12,5
Power			
Input Voltage (V)	AC 100-240	AC 100-240	AC 100-240
Consumption (W) - full load / rating	118 / 275	199 / 375	199 / 375
Total Heat Dissipation (BTU) - full load / rating	402 / 939	678 / 1280	678 / 1280
Redundant Power Supply	-	yes	yes
Environmental			
Operating Temperature (°C)	0 ~ 40	0 ~ 40	0 ~ 40
Storage Temperature (°C)	-20 ~ 75	-20 ~ 75	-20 ~ 75
Relative Humidity (Non condensing)	10 ~ 85%	10 ~ 85%	10 ~ 85%

SecurITy
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PC PRO



REAL WORLD TEST



SC MAGAZINE



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

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