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GPZ 5000 - Next Generation UTM Appliances
October 2012

GPZ 5000 Next Generation UTM Appliances have extensive features including VLAN, Layer-8 technology, single sign-on, bridging, VPN SSL via x.509 certificates & VPN IPSec, IDS/ IPS, traffic shaping, antivirus, zero hour mail protection, web filtering as well as Application Control and the very latest procedure-oriented eGUI® technology.

Thanks to its hardware RAID (hot swap) incl. BBU, 24/7 server hard disks, redundant power supply, and the high-performance HA mode, this appliance is 99.97% failsafe. The GPZ 5000 also features SFP ports, e.g. for OWG/optical fiber connections.

Specifications	GPZ 5000
Interfaces	
1 GbE Ports	2xRJ45 Intel 82576 (rear), 16x RJ45 Intel 82580EB (front)
SFP / SFP+ (Mini GBIC) Ports	4x SFP Intel 82576EB (front), **2x SFP+ Intel 82599EB (front)**
Redundant - HDD (Raid)	Yes
IPMI - Remote management	Yes
System Performance*	
Firewall throughput (Mbps)	20 000
VPN IPSec throughput (Mbps)	4 000
UTM throughput (Mbps)	2 500
IDS/IPS throughput (Mbps)	3 000
Concurrent sessions	3 500 000
New sessions pr. Second	40 000
Dimensions	
H x W x D (mms)	88 x 430 x 633
H x W x D (mms) - Packaging	223 x 567 x 793
Gross Weights (kgs)	app. 18
Power	
Input Voltage (V)	AC 100-240
Redundant Power Supply	600 W
Environmental	
Operating Temperature (°C)	10 ~ 40
Storage Temperature (°C)	-40 ~ 65
Relative Humidity (Non condensing)	10 ~ 85%

Hardware Certification

FC   CE

* 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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gateprotect AG Germany is one of the world's leading producers of IT-security solutions for effective network security. Our primary products are Next Generation Firewalls and Managed Security Systems. They protect small to large companies, nonprofit organisations and government networks from threats and attacks coming from the Internet.

gateprotects IT security solutions are used on the whole globe. The confidence in gateprotect is now demonstrated through 40,000 installations worldwide at client sites of all industries. Its UTM firewalls are listed in the "Magic Quadrant" of the international renowned market research company Gartner. Gartner only positions companies in its Magic Quadrant that meet their ambitious criteria, which include technological performance, a certain level of annual revenue and active customer references as well as the necessary functionality.

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Feature overview - Next Generation UTM Appliances
September 2012

The "Next Generation UTM 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."

FROST & SULLIVAN
2011 BEST PRACTICES AWARD
GLOBAL UNIFIED THREAT MANAGEMENT
PRODUCT DIFFERENTIATION EXCELLENCE AWARD

Bundesministerium für Wirtschaft und Technologie

Secur IT y made in Germany

PC PRO

SC MAGAZINE

Feature Specifications

▶ Firewall with DPI
- 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*
- Deep packet inspection* for application based blacklists - over 600 apps supported
- Port-ranges
- Self- and predefined ports
- Supported protocols: TCP, UDP, ICMP, GRE, ESP, AH

▶ Management
- eGUI Technology
  - ISO 9241 compliant
  - immediate visual feedback 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
- 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

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

▶ Backup
- Remote backup creation
- Small backup files
- 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

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

▶ Proxies*
- HTTP (transparent or intransparent)
- HTTPS (available GPA 250 and higher)
- Support for Radius-server, AD-server, local user-database
- FTP,POP3,SMTP,SIP
- Integrated URL-/ content-filter
- Integrated antivirus-filter
- Integrated spam-filter
- Time-controlled

▶ Web-filter*
- URL-filter with safe search enforcement
- 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

▶ Antivirus*
- HTTP, HTTPS, FTP, POP3, SMTP
- Scans compressed data and archives
- Scans ISO 9660-files
- Exceptions definable
- Manual and automatic updates

▶ 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

▶ 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, portscan protection
- Invalid network packet protection

▶ 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

▶ Statistics*
- IP and IP-group statistic
- Separate services
- Single user / groups
- TOP-lists (surfcontrol)
- IDS-statistics
- Traffic-statistics
- AppFilter 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 compliant
- 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