

## GPZ 2500 - Next Generation UTM Appliances

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GPZ 2500 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 2500 also features SFP ports, e.g. for OWG/optical fiber connections.



### Specifications

### GPZ 2500

#### Interfaces

1 GbE Ports	2xRJ45 Intel 82576 (rear), 16x RJ45 Intel 82580EB (front)
SFP (Mini GBIC) Ports	4x SFP Intel 82576EB (front)
Redundant - HDD (Raid)	Yes
IPMI - Remote management	Yes

#### System Performance\*

Firewall throughput (Mbps)	10 000
VPN IPSec throughput (Mbps)	2 500
UTM throughput (Mbps)	1 500
IDS/IPS throughput (Mbps)	2 500
Concurrent sessions	2 500 000
New sessions pr. Second	30 000

#### 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



\* 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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## 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.“*



Bundesministerium  
für Wirtschaft  
und Technologie

SecurITy  
made  
in  
Germany



### 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 (bridge-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\*

- Short 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