

# gateprotect Firewalls

## Unified Line – Easy to Use

We developed the Unified Line for the specific requirements of small companies which need an easy-to-use solution to protect their office IT against cyberthreats from the Internet. These firewalls provide easy handling of all UTM functionalities needed around the office, including antivirus, antispam, web filter, black- and whitelisting.

The innovative eGUI technology makes using the firewall and modifying rules a simple and intuitive process, allowing all employees to operate the firewall – even if they lack profound IT knowledge. Users can efficiently set up various network features like VPN connections or VLANs. The web client interface is optionally available.

In addition, the Unified Line provides network features such as traffic shaping, Quality of Service and multi-WAN load balancing. These features support companies in making the most of their bandwidth and ensure maximum performance despite the growing number of applications.



Unified Line	GP-U 50	GP-U 100	GP-U 200	GP-U 300	GP-U 400	GP-U 500
<b>Network Interfaces</b>						
Ports	4xGE copper	4xGE copper	4xGE copper	8xGE copper	8xGE copper	14xGE copper
<b>System Performance</b>						
Firewall throughput (Mbit/s)	770 (UDP)	1.800 (UDP)	2.000 (UDP)	2.600 (UDP)	3.000 (UDP)	10.000 (UDP)
VPN throughput (Mbit/s)	50 (IPsec)	300 (IPsec)	320 (IPsec)	480 (IPsec)	560 (IPsec)	1.400 (IPsec)
UTM throughput (Mbit/s)	-	330	350	380	400	600
IPS throughput (Mbit/s)	-	-	120	130	135	160
IDS throughput (Mbit/s)	-	-	850	1.300	1.500	2.900
Concurrent sessions	66.000	1.000.000	1.000.000	1.700.000	2.000.000	2.000.000
New sessions per second	6.000	6.000	6.600	9.000	11.000	19.000
<b>Power</b>						
Input voltage (V)	100-240	100-240	100-240	100-240	100-240	100-240
Power consumption (W)	40	36	36	150	150	150
<b>Environment</b>						
Operating temperature (°C)	0-40	0-40	0-40	0-40	0-40	0-40
Relative humidity (%)	10-90	5-90	5-90	20-90	20-90	20-90

## Feature Highlights: Unified Line

### Security

- Comprehensive protection (UTM) via application, web, virus and spam filters
- Easy and secure communication via wizard-based VPN connections (SSL, IPsec, L2TP)

### Network

- Efficient and fail-safe usage of bandwidth thanks to multi-WAN load balancing, traffic shaping and Quality of Service
- Isolation of network components via VLANs and DMZ

### Controls

- Ergonomic, wizard-based administration
- Clear and intuitive control of functionalities via monitoring and statistics
- Intuitive web interface

## Feature Specifications: Unified Line

### Unified Threat Management<sup>1</sup>

#### Webfilter

- URL and content filter
- Customizable rules for users
- Blacklists/whitelists
- Import/export URL lists
- Blocks specified filetypes
- Category-based website blocking (individually definable)
- Online scan technology
- HTTP(S) proxy support

#### Application control<sup>2</sup>

- Layer 7 packet filter (DPI)
- Filters by applications (e.g. Facebook, YouTube, BitTorrent etc.)
- Blacklists/whitelists
- Protocol validation
- R&S<sup>®</sup>PACE 2 (Protocol and Application Classification Engine)
- HTTP and IEC104 decoder

#### Antivirus

- HTTP/S, FTP, POP3/S, SMTP/S
- Comprehensive protection from renowned antivirus supplier
- Definable exceptions

#### Antispam

- POP3/S, SMTP/S
- Definable scan levels
- GlobalView Cloud by using Recurrent Pattern Detection (RPD)
- Blacklists/whitelists
- Automatically rejects/deletes emails
- Active directory import

#### IDS/IPS<sup>2</sup>

- DoS/Portscan protection
- Individually customizable rules
- Options for security level and rule groups
- Definable exceptions
- Scans all interfaces

### Proxies

- HTTPS, FTP, POP3/S, SMTP/S, SIP
- HTTP (transparent/non-transparent)
- Reverse proxy
- Supports RADIUS, Active Directory and local users
- Time-controlled

### LAN-/WAN support

- Ethernet 10/100/1000 Mbit/s
- Configurable MTU (Ethernet/DSL)
- xDSL
- Multi-WAN (weighted policy-based routing/failover)
- Load balancing
- Time restrictions for Internet connections
- Multiple, dynamic DNS support
- Routing protocols RIP, OSPF
- DHCP
- DMZ

### VLAN

- 4096 VLANs per interface
- 802.1q header tagging
- Compatible with bridging

### Bridge mode

- Layer 2 firewall function
- Spanning Tree (bridge ID, port costs)
- Unlimited number of interfaces per bridge
- Compatible with VPN SSL

### WLAN (optional)

- Dual band (2,4 GHz, 5 GHz)
- 802.11 b/g/n/a
- WPA, WPA2, TKIP, CCMP
- Hidden SSID
- MAC filter (blacklists/whitelists)

### Reports, statistics, logging

- Statistics (IP and IP groups, services, users and groups, IDS/IPS, application control, surf control, antivirus/antispam)
- Email reports
- Logging to external syslog servers
- Export as CSV files
- Executive reporting

### Administration

- Object-oriented configuration
- Role-based administration
- Command-line interface (SSH)

### Ergonomic GUI

- Compliant with ISO 9241
- Self-explanatory functions
- Overview of the entire network
- Overview of all active services
- Layer and zoom function

### Monitoring

- SNMPv2c, SNMP traps
- System information (CPU, HDD, RAM)
- System processes
- Network (interfaces, routing, traffic, VPN)

### VPN

- User authentication
- High availability

### Traffic Shaping/QoS

- Maximum and guaranteed bandwidth configurable
- Internet connections and services separately configurable
- QoS with ToS flags
- QoS in VPN connections

### VPN

- Wizards for VPN and certificates
- Site-to-site and client-to-site
- PPTP
- Client configuration packages

### X.509 certificates

- CRL
- OCSF
- Multi-CA support
- Multi-host certificate support

### IPsec

- Full-tunnel mode
- IKEv1, IKEv2
- PSK/certificates
- DPD (Dead Peer Detection)
- NAT-T
- XAUTH, L2TP
- Port configuration

### SSL

- Routing mode VPN
- Bridge mode VPN
- TCP/UDP
- Specification of WINS and DNS servers

### Backup and restore

- Local or remote access
- Automatic import during installation
- Automatic and time-based backups
- Automatic upload (FTP, SCP)
- Restore from USB drives

### User authentication

- Active directory import
- Local user administration
- Authentication via web or client
- Single sign-on (Kerberos)
- Multiple logins
- Captive portal

### High availability

- Stateful failover
- Active/passive
- Active directory import

<sup>1</sup> Not available for GP-U 50

<sup>2</sup> Not available for GP-U 100

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