# VPN Security Gateway

The innovation of the Internet has created a tremendous worldwide venue for E-business and information sharing, but it also creates network security problems. The security request will be the primary concerned for the enterprise. New model of Planet's VPN Security Gateway SG-1000, a special designed of VPN security gateway, provides SSL, IPSec, and PPTP VPN. The SSL VPN function supports up to 50 SSL VPN connection tunnels. The IPSec VPN feature provides IPSec VPN Trunk and IKE, SHA-1, and MD5 Authentication. The PPTP VPN function supports PPTP server and client.

The SG-1000 provides Content Blocking feature to block specific URL, Script, IM, P2P, and download file. Also, it is built-in Anomaly Flow IP function. This function supports Hacker and Blaster Alert. An administrator could use this function to watch and track an attacker.

This product is built-in two WAN ports. It supports WAN Load Balance and Fail-Over Feature. Also, the QoS function provides Guaranteed Bandwidth and Priority Bandwidth Utilization.

## KEY FEATURE

### VPN Connectivity
- The VPN security gateway supports SSL VPN, IPSec VPN, and PPTP server/client. The SSL VPN function supports up to 50 SSL VPN connection tunnels. The IPSec VPN has DES, 3DES, and AES encryption and SHA-1 / MD5 authentication. The network traffic over public Internet is secured.

### VPN Trunk
- VPN trunk function provides VPN load balance and VPN fail-over feature to keep the VPN connection more reliable.

### Content Filtering
- The security gateway can block network connection based on URL, Script (The Pop-up, Java Applet, cookies and Active X), P2P (eDonkey, Bit Torrent and WinMX), Instant Messaging (MSN, Yahoo Messenger, ICQ, QQ and Skype) and Download. If there are new updated version of P2P or IM software in client side, SG-1000 will detect the difference and update the Content Filtering pattern to renew the filtering mechanism.

### Policy-based Firewall
- The built-in policy-based firewall prevent many known hacker attack including SYN attack, ICMP flood, UDP flood, Ping of Death, etc. The access control function allowed only specified WAN or LAN users to use only allowed network services on specified time.

### QoS
- Network packets can be classified based on IP address, IP subnet and TCP/UDP port number and give guarantee and maximum bandwidth with three levels of priority.

### Authentication
- Web-based authentication allows users to be authenticated by web browser. User database can be configured on the devices or through external RADIUS server.

### WAN Backup
- The SG-1000 can monitor each WAN link status and automatically activate backup links when a failure is detected. The detection is based on the configurable target Internet addresses.

### Outbound Load Balancing
- The network sessions are assigned based on the user configurable load balancing mode, including "Auto", "Round-Robin", "By Traffic", "By Session" and "By Packet". User can also configure which IP or TCP/UDP type of traffic use which WAN port to connect.

### Multiple NAT
- Multiple NAT allows local port to set multiple subnet works and connect to the Internet through different WAN IP addresses.

## SPECIFICATION

| Product | | VPN Security Gateway | |
|---|---|---|---|
| Model | | SG-1000 | |
| Recommend Concurrent user | | 30 ~ 50 | |
| **Hardware** | | | |
| Ethernet | LAN | 1 x 10/100Based-TX RJ-45 | |
| | WAN | 2 x 10/100Based-TX RJ-45 | |
| | DMZ | 1 x 10/100Based-TX RJ-45 | |
| **Software** | | | |
| Management | | Web | |
| Network Connection | | Transparent mode, NAT, Multi-NAT | |
| Routing Mode | | Static Route, RIPv2 | |
| Concurrent Sessions | | 110,000 | |
| New session / Second | | 10,000 | |
| WAN to LAN Throughput | | 100Mbps | |
| VPN Throughput | | 18Mbps | |
| VPN 3DES Throughput | | 17Mbps | |
| VPN Function | | SSL, IPSec, PPTP server and client | |
| | | DES, 3DES, and AES encrypting | |
| | | SHA-1 / MD5 authentication algorithm | |
| | | Remote access VPN (Client-to-Site) and Site to Site VPN | |
| | | VPN Trunk | |
| SSL VPN | | Internal Subnet of Server: 10 | |
| | | Connection Tunnels: 50 | |
| IPSec VPN Trunk | | 50 | |
| VPN Connection Tunnels / Allow to Configure | | IPSec: 100 / 200 | |
| | | PPTP Serve: 32 / 32 | |
| | | PPTP Client: 16 / 16 | |
| Content Filtering | | URL Blocking | |
| | | Blocks Popup, Java Applet, cookies and Active X | |
| | | P2P Application Blocking | |
| | | Instant Message Blocking | |
| | | Download Blocking | |
| Firewall | | Policy-based Firewall rule with schedule | |
| | | NAT/ NAPT, SPI Firewall | |
| QoS | | Policy-based bandwidth management | |
| | | Guarantee and maximum bandwidth with 3 priority levels | |
| | | Classify traffics based on IP, IP subnet, TCP/UDP port | |
| User Authentication | | Built-in user database with up to 200 entries | |
| | | Support local database, RADIUS and POP3 authentication | |
| Logs | | Log and alarm for event and traffic | |
| | | Log can be saved from web, sent by e-mail or sent to syslog server | |
| Accounting Report | | Record inbound and outbound traffic's utilization by Source IP, Destination IP and Service | |
| Statistics | | Traffic statistic for WAN interface and policies | |
| | | Graphic display | |
| Others | | Dynamic DNS, NTP, DHCP server, Virtual server | |

## APPLICATIONS

### VPN Security Gateway

The SG-1000 provides SSL, IPSec, and PPTP VPN. The SSL VPN function supports up to 50 SSL VPN connection tunnels. Remote access clients could build the VPN tunnels by SSL VPN function easily.
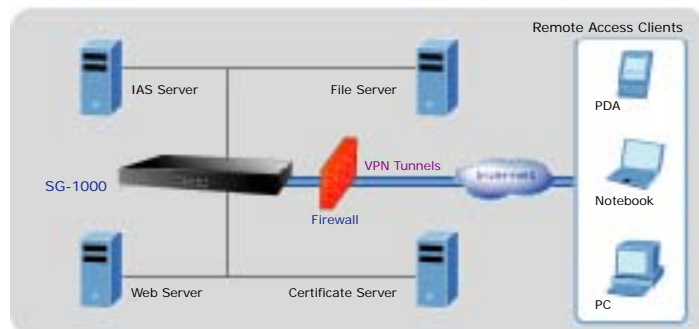


## ORDERING INFORMATION

| SG-1000 | VPN Security Gateway (2 x WAN, 1 x LAN, 1 x DMZ) |
|---|---|

10-06          C-SG1000-1