Multi-Homing 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, so the security request will be the primary concerned for the enterprise. Planet's Content Security Gateway CS-1000, a special designed of security gateway for small business, adopts Heuristics Analysis to filter spam and virus mail, auto-training system can raise identify rate of spam, and built-in Clam virus scan engine can detect viruses, worms and other threats from email transfer.

Meanwhile, Instant Messaging (IM) and peer-to-peer (P2P) are the fastest growing communications medium of all time, the spread of IM and P2P has created a network security threats and consumed amount of bandwidth. CS-1000 also can prevent employees using varied IM and P2P like MSN, Yahoo Messenger, ICQ, QQ and Skype.

CS-1000 not only can filter spam and virus mail, but also is a high performance VPN firewall. The firewall function can defense hacker and blaster attack from Internet. Furthermore, QoS and User Authentication features are available now, it makes CS-1000 to a completely security gateway and can fulfill varied of customer's need.

KEY FEATURE

Anti-Spam Filtering
- Multiple defense layers (Head Analysis, Text Analysis, Blacklist & Whitelist, Bayesian Filtering), and Heuristics Analysis to block over 95% spam mail. Customizable notification options and spam mail report are provided for administrator. Varied actions toward spam mail include: Delete, Deliver, and Forward. Built-in auto-training system to rise identify rate of spam mail substantially.

Anti-Virus Protection
- Built-in Clam virus scan engine can detect viruses, worms, and other threats from email transfer. Scan mission-critical content protocols-SMTP, POP in real time as traffic enters the network to provide maximum protection. Customizable notification options and virus mail report are provided for administrator. Varied actions toward spam mail include: Delete, Deliver, and Forward.

WAN Backup
- The CS-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.

VPN Connectivity
- The security gateway support PPTP server/client and IPSec VPN. With DES, 3DES and AES encryption and SHA-1/MD5 authentication, the network traffic over public Internet is secured.

Content Filtering
- The security gateway can block network connection based on URLs, Scripts (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, CS-1000 will detect the difference and update the Content Filtering pattern to renew the filtering mechanism.

IDP
- CS-1000 provides three kinds of the Signature to complete the intrusion detection system, user can select to configure "Anomaly", "Pre-defined" and "Custom" according to the current environment's request.

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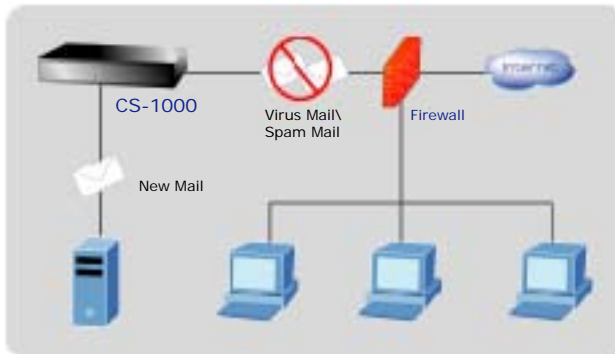
Multiple NAT
- Multiple NAT allows local port to set multiple subnet works and connect to the Internet through different WAN IP addresses.

SPECIFICATION

Product	Multi-Homing Security Gateway		
Model		CS-1000	
Hardware			
Ethernet	**LAN**	1 x 10/100Mbps RJ-45	
	WAN	2 x 10/100Mbps RJ-45	
	DMZ	1 x 10/100Mbps RJ-45	
Power		100~250 VAC	
Operating Environment		Temperature: 0 ~ 60°C	
		Relative Humidity: 5% ~ 95%	
Dimension (W x D x H)		440 x 237 x 43 mm	
Regulatory		FCC, CE Mark	
Software			
Management		Web	
Network Connection		Transparent, NAT, Multi-NAT	
Outbound Load Balancing		Policy-based routing	
		Load-balancing by Round-Robin, traffic, session and packet	
Routing Mode		Static Route, RIPv2	
Firewall		Policy-based Firewall rule with schedule, NAT/NAPT, SPI Firewall	
VPN Tunnels		100/200	
VPN Function		PPTP server and client, IPSec	
		DES, 3DES and AES encrypting	
		SHA-1/MD5 authentication algorithm	
		VPN Trunk Support	
		Remote access VPN (Client-to-Site) and Site to Site VPN	
Content Filtering		URL, P2P Application, Instant Message and download Blocking	
		Blocks Popup, Java Applet, cookies and Active X	
IDP		Anomaly: Syn Flood, UDP Flood, ICMP Flood and more	
		Pre-defined: Backdoor, DDoS, DoS, Exploit, NetBIOS and Spyware	
		Custom: User defined based on TCP, UDP, ICMP or IP protocol	
Scanned Mail Settings		The allowed size of scanned mail : 10 ~ 512KBytes	
Anti-Virus		Email attachment virus scanning by SMTP, POP3	
		Inbound scanning for internal and external Mail Server	
		Action of infected mail : Delete, Deliver to the recipient, forward to a specific account	
		Automatic or manual update virus database	
Anti-Spam		Inbound scanning for external and internal Mail Server	
		Check sender address in RBL	
		Black list and white list support auto training system	
		Action of spam mail : Delete, Deliver to the recipient, forward to a specific account	
		Up to 100 spam mail rule entries	
QoS		Policy-based bandwidth management	
		Guarantee and maximum bandwidth with 3 priority levels	
		Classify traffics based on IP, IP subnet, TCP/UDP port	
Authentication		Built-in user database with up to 500 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	
Statistics		Traffic statistic for WAN interface and policies, Graphic display	
Others		Dynamic DNS	
		NTP support	
		DHCP server	
		Virtual server	
		Mapping IP (DMZ)	

Applications

Small business, branch offices, and SOHO

Ordering Information

| CS-1000 | Multi-Homing Security Gateway (2 x WAN, 1 x LAN, 1 x DMZ, 200 VPN tunnels) |

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