# Content 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-500, 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-500 also can prevent employees using varied IM and P2P like MSN, Yahoo Messenger, ICQ, QQ and Skype.

CS-500 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-500 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.

- **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.

- **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-500 will detect the difference and update the Content Filtering pattern to renew the filtering mechanism.

- **IDP**  CS-500 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 | | Content Security Gateway |
|---|---|---|
| **Model** | | CS-500 |
| **Hardware** | | |
| **Ethernet** | LAN | 1 x 10/100Mbps RJ-45 |
| | WAN | 1 x 10/100Mbps RJ-45 |
| | DMZ | 1 x 10/100Mbps RJ-45 |
| **LED** | | POWER, STATUS, WAN, LAN, DMZ |
| **Power** | | 5V DC, 2.4A |
| **Operating Environment** | | Temperature: 0 ~ 50°C |
| | | Relative Humidity: 10% ~ 90% |
| **Dimension** | | 220 x 150 x 40 mm |
| **Regulatory** | | FCC, CE Mark |
| **Software** | | |
| **Management** | | Web |
| **Network Connection** | | Transparent, NAT, Multi-NAT |
| **Routing Mode** | | Static Route, RIPv2 |
| **Concurrent Sessions** | | 110,000 |
| **New session / second** | | 8,000 |
| **Email Capacity per Day** | | 90,000 |
| **Firewall Throughput** | | 100Mbps |
| **3DES Throughput** | | 15Mbps |
| **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 |
| | | 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
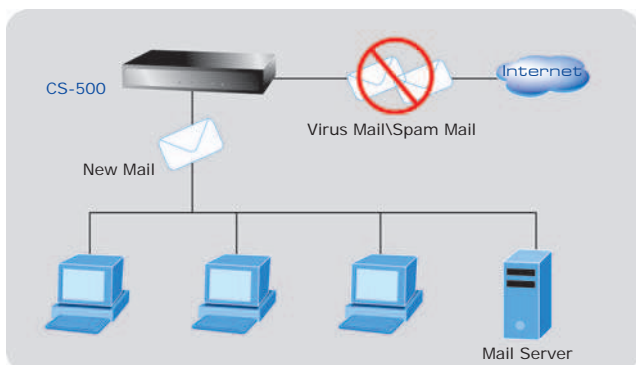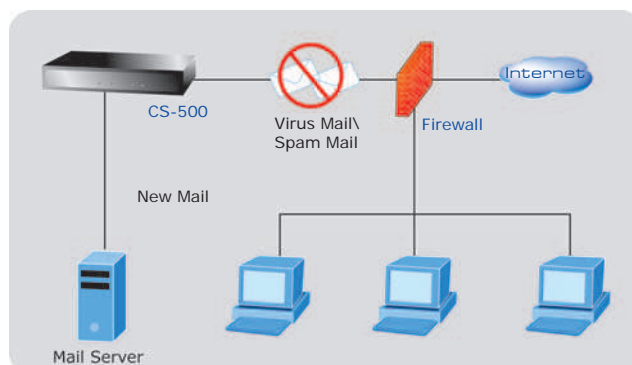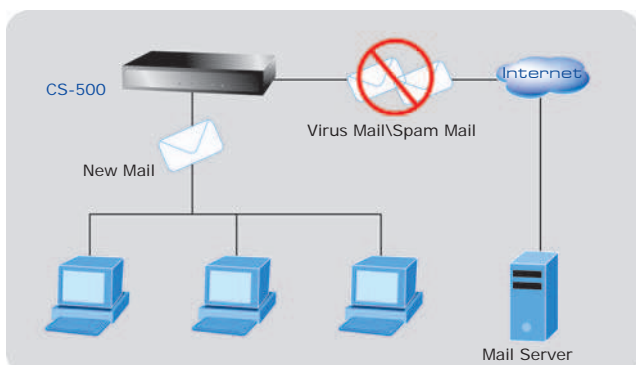


## ORDERING INFORMATION

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|---|---|
| *CS-500* | Content Security Gateway ( 1 x WAN, 1 x LAN, 1 x DMZ, 200 VPN tunnels) |

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