UTM Content Security Gateway

All-in-One Network Security Solution
The innovation of the Internet has created tremendous worldwide opportunities for e-business and information sharing. It has become essential for businesses to focus more on network security issues. The demand for information security has become the primary concern for the enterprises. To fulfill this demand, PLANET has launched the CS-950 UTM Content Security Gateway, an all-in-one appliance that carries several main categories across your network security deployments: firewall security protection, policy auditing (content filtering, VPN, and authentication), and easy management (CMS, wireless AP management and flow analysis). Furthermore, its VLAN, QoS and Outbound Load Balance features can improve the network efficiency while the web-based interface provides friendly and consistent user experience.

Excellent Ability in Threat Defense
The CS-950 adopts Clam AV for virus scanning which detects over 800,000 kinds of viruses, worms, and Trojans. Once suspicious emails are detected, the CS-950 will modify the subject and record the mail. Besides, websites and FTP will be scanned once the function of antivirus is enabled in policy. It also employs multi-spam filters, auto learning, and personal Blacklist/Whitelist. It gives administrators the flexibility to enforce custom filtering. These help companies to create their own database by importing the latest spam update. Using the filter, the following action like forward or delete can be taken for any mail identified as a spam.

An advanced protection of UTM, the co-defense SNMP switch can be known on which computer and which switch port at the earliest possible time which prevents business network from failure, and monitor network-attached devices for conditions that warrant administrative attention.

Physical Port
- 4 x 10/100/1000BASE-T RJ45
- 2 undefined Ethernet ports (WAN/LAN/DMZ)
- Multi-WAN function
- Outbound load balancing (Supported algorithms: Auto, Source IP, Destination IP or Manual)

IP Routing Feature
- Static Route
- Dynamic Route (RIPv2)

QoS
- Guaranteed and maximum bandwidth configurable
- Priority rule
- Policy mode
- Inside per source IP mode
- Outside per source IP mode

Firewall Security
- Stateful Packet Inspection (SPI) firewall
- Blocking DoS/DDOS attack
- Internal firewall
- IP address block
- Block website by URL, IP, Domain, FQDN
- Anti-ARP spoofing
- Application control

Mail Security
- Antivirus base on auto-update antivirus engine
- Built-in multiple anti-spam algorithms, auto learning, and personal black/white list
- Mail log

Advanced Security
- IDP (Intrusion Detection and Prevention)
- User Authentication
- Switch co-defense
- Anomalous IP traffic analysis
Moreover, its built-in SPI (Stateful Packet Inspection) firewall and IDP (Intrusion Detection and Prevention) functions provide DoS detection and block concealed malicious code or worms delivered in TCP/IP protocols. As soon as an attack is suspected, the CS-950 will immediately notify the IT administrator and an extensive range of reports will be available for analysis.

**Cost-effective VPN Security Gateway Solution for SMBs**

The CS-950 supports many popular security features including content blocking to block specific URL, authentication, IPSec, L2TP, SSL VPN, PPTP VPN server/client, outbound load-balancing, QoS, time schedule and more. Furthermore, it provides higher performance with all Gigabit Ethernet interfaces which offer faster speeds for your network applications. The Gigabit user-defined interfaces flexibly fulfill the network requirement nowadays, and the multiple WAN interfaces enable the CS-950 to support outbound load balancing and WAN fail-over features. The built-in multiple VPN tunnels (IPSec/PPTP/L2TP/SSL) enables businesses of any size to deliver secured connectivity for mobile employees, branch offices, and clients. As a result, the VPN functions not only provides high security level connection but also VPN fail-over features, a VPN redundant mechanism to always keep the VPN alive.

**VPN Features**

- Max. Connection Tunnel Entries: 500 IPSec VPN tunnels, 200 PPTP VPN tunnels, 200 L2TP VPN tunnels or 50 SSL VPN tunnels
- Stateful packet inspection
- Encryption methods: DES, 3DES, AES, AES-128/192/256
- Authentication methods: MD5, SHA-1, SHA-256, SHA-512

**Networking**

- Outbound load balance
- Failover for WAN
- PPPoE/Static IP/DHCP Client
- Protocols: TCP/IP, UDP, ARP, ICMP, FTP, IPv4, IPv6
- Virtual Server
- DDNS: DynDNS, 3322, No-IP, Planet DDNS & Planet Easy DDNS
- Transparent bridge/transparent routing

**Others**

- Wireless AP Management
- CMS (Central Management System)
- HA (High Availability) mode
- Supported access by HTTP or HTTPS
- SNMP agent (SNMPv3-capable)
- Scheduling firmware upgrade through Web browser
- Comprehensive web-based management and policy setting
- Monitoring, logging, and alarms of system activities
Improving Network Efficiency

The CS-950 has link redundancy, application control and many more functions to make the entire network system better. It is applicable to the small-scale sector (from 40 to 50 people), using a 9-inch desktop design, with four Gigabit ports (WAN/LAN/DMZ). The CS-950’s economical price with complete cable management features make it an inevitable choice for the next-generation office network load balancer.

The CS-950’s built-in fully-qualified domain name (FQDN) feature can automatically resolve the IP address corresponding to all. Users’ network can be easily managed by just typing the URL of the secure websites (HTTPS) like Facebook, YouTube and Yahoo.

The CS-950 can connect multiple WANs with up to three different ISPs. It creates a stable and qualified VPN connection for many important applications such as VoIP, video conferencing and data transmission.
Multi-Homing VPN Security Gateway

PLANET CS-950 UTM Content Security Gateway has an SPI firewall with DoS detection. Through the FQDN function, it can easily block secure websites like Facebook, YouTube, Gmail, etc. With IPSec/PPTP/L2TP/SSL VPN solutions, the CS-950 provides secured data communication for branches, vendors, and mobile workers with a flexible way to connect back to the headquarters.

The CS-950 connects multiple WANs with up to three different ISPs. It creates a stable and qualified VPN connection for many important applications such as VoIP, video conferencing and data transmission.
## Specifications

**Model**: CS-950

### Hardware

**Ethernet**: 4 10/100/1000BASE-T RJ45 Ethernet ports

**Console Port**: DB-9 console port (115200, 8, N, 1)

**USB Port**: 2 USB 2.0 port for system configuration backup and recovery

**Reset Button**: Reset to factory default

**Thermal Fan**: 1

### Software

**Management**: Web browser

**Operation Mode**: NAT, Transparent Bridging, Transparent Routing

**Routing Protocol**: Static Route, Dynamic Route (RIPv2)

**NAT Throughput**: Max. 1.8Gbps

**Max. Connections**: Max. 1.2 million

**Mail Scan/Day**: Max. 432000

**Firewall Security**: Stateful Packet Inspection (SPI)

**Multiple Subnet**: Supports max. 255 multiple subnets

**Outbound Load Balancing**: Supported algorithms: Auto, Source IP, Destination IP or Manual

**Protocol**: IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, PLANET DDNS, PLANET Easy DDNS, DHCP, PPPoE, SNMP, QoS, IEEE 802.1q

**Content Filtering**: URL blocking, IP blocking, Domain blocking, Black/White list

**Application Blocking**: P2P blocking (Bit Torrent, eDonkey, WinMX and more)

**IM blocking**: (WeChat, Yahoo Messenger, WhatsApp, QQ, Skype, Google Talk and more)

**Multimedia streaming**: (PPLive, PPStream, Tornado Broadcast and more)

**Web-based mail**: (Gmail, Yahoo, Hotmail and more)

**Outbound load balancing**: (TeamViewer, Remote Desktop and more)

**VoIP**: (SIP, H.323 and more)

**QoS**: Smart QoS

**Guaranteed and maximum bandwidth configurable**

**Priority levels**

**Policy mode/Inside Per source IP mode/Outside Per source IP mode**

**User Authentication**: Max. concurrent connections up to 256 entries

**Supports local database, RADIUS, POP3 and AD authentication**

**AP Management**: Max. 50 APs


**Reports**: Show CPU/RAM system load, network flow and traffic ranking

**Mixed format reports**: tabular and graphical

**Automated Daily/Weekly Report**

**Reports sent via Email**

**Watch-Dog**: Auto-reboot upon failure

**Others**: Outbound load balancing

**Failover for WAN**

**CMS (Central Management System)**

**HA (High Availability) mode**

**FQDN**

**Switch co-defense**

**IDP (Intrusion Detection and Prevention)**

### Antivirus and Antispam

**Antivirus Engine**: Clam AV

**Antivirus Action**: Modify the subject

**Antivirus Action**: Record the suspicious mail information

**Antispam Algorithms**: Fingerprinting, bayesian Filtering, auto learning, spam characteristics filtering and personal black/white list

**Antispam Action**: Modify the subject

**Antispam Action**: Delete the spam mail

**Antispam Action**: Record the suspicious mail information
### VPN

<table>
<thead>
<tr>
<th>VPN Function</th>
<th>IPSec, PPTP server and client, L2TP, SSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPSec VPN Tunnels</td>
<td>Max. 500</td>
</tr>
<tr>
<td>PPTP VPN Tunnels</td>
<td>Max. 200</td>
</tr>
<tr>
<td>L2TP VPN Tunnels</td>
<td>Max. 200</td>
</tr>
<tr>
<td>SSL VPN Tunnels</td>
<td>Max. 50</td>
</tr>
<tr>
<td>VPN Throughput</td>
<td>Max. 90Mbps</td>
</tr>
<tr>
<td>Encryption Methods</td>
<td>DES, 3DES, AES or AES-128/192/256 encrypting</td>
</tr>
<tr>
<td>Authentication Methods</td>
<td>MD5/SHA-1/SHA-256/SHA-512 authentication algorithm</td>
</tr>
</tbody>
</table>

### General

<table>
<thead>
<tr>
<th>Power Requirements</th>
<th>12V DC, 3.3A</th>
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<tbody>
<tr>
<td>Power Consumption</td>
<td>22W max.</td>
</tr>
<tr>
<td>Weight</td>
<td>0.96kg</td>
</tr>
<tr>
<td>Dimensions (W x D x H)</td>
<td>232 x 152 x 44 mm</td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>CE, FCC</td>
</tr>
<tr>
<td>Reliability</td>
<td>MTBF &gt; 63449hrs</td>
</tr>
</tbody>
</table>

### Standards Conformance

| Regulatory Compliance | CE, FCC             |

### Environment Specifications

#### Operating
- Temperature: 0 ~ 40 degrees C
- Relative Humidity: 5 ~ 95% (non-condensing)

#### Storage
- Temperature: -20 ~ 75 degrees C
- Relative Humidity: 5 ~ 95% (non-condensing)

### Standard Accessories

<table>
<thead>
<tr>
<th>Packet Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS-950 x 1</td>
</tr>
<tr>
<td>Quick Installation Guide x 1</td>
</tr>
<tr>
<td>Adapter x 1</td>
</tr>
<tr>
<td>Power Cord x 1</td>
</tr>
<tr>
<td>Console Cable x 1</td>
</tr>
<tr>
<td>Ethernet Cable x 1</td>
</tr>
<tr>
<td>Screw Package x 1</td>
</tr>
<tr>
<td>Rack-mount Ear x 2</td>
</tr>
<tr>
<td>Feet Pads x 4</td>
</tr>
</tbody>
</table>

### Ordering Information

**CS-950**  UTM Content Security Gigabit Gateway

### Related Products

- **MH-2300**  Gigabit Multi-Homing VPN Security Gateway
- **WDAP-702AC**  1200Mbps Dual Band 802.11ac Outdoor Wireless AP
- **WBS-502AC**  900Mbps 802.11ac Outdoor Wireless CPE
- **WAP-200N**  300Mbps 802.11n Outdoor Wireless AP
- **WAP-500N**  300Mbps 802.11n Outdoor Wireless CPE
- **WBS-200N**  300Mbps 802.11n Outdoor Wireless CPE
- **WBS-500N**  300Mbps 802.11n Outdoor Wireless CPE
- **XGS3-24042**  Layer 3 24-Port 10/100/1000T + 4-Port 10G SFP+ Stackable Managed Switch
- **XGS3-24242**  Layer 3 24-Port 100/1000X SFP + 16-Port Shared TP + 4-Port 10G SFP+ Stackable Managed Switch