



# Clear Packets FMS-Enterprise Gateway

## Product Overview

Clear Packets FMS-Enterprise Gateway is a powerful and versatile multi-services platform which empowers customers to create fully protected network environment, optimize resource utilization, guard the network against internal and external threats and stop data/information leaks. With breakthrough simplicity and commonsense based functionality, it offers effective solutions to many everyday problems, in a single, easy to manage box. Through its vast array of bottom line impacting features, FMS-Enterprise Gateway pays off for itself in a short duration.

### Web Monitoring & Content Filtering

- Comprehensive user internet access management
- Automatic SafeSearch (content filtering) enforcement for all major search engines.
- Daily, weekly and monthly internet bandwidth usage management for all users
- Easily block any website, even block partial domains or create groups of blocked websites
- Continuous automatic updates to block harmful website by Clear Packets

### Stop Virus, Worms, Malware

- Block known viruses, malware or any harmful program right at network entry point
- Automatic new virus filter updates by Clear Packets
- Real-time single screen view of blocked virus spread attempts for auditing & monitoring

### Intrusion Detection & Protection

- Block hijacked networks or bot attacks. Stop blended intrusion hiding in standard applications
- Deep packet inspection (DPI) to sniff and stop blended intrusion
- Automatic IDS/IPS filter updates by Clear Packets

### Data Leak Protection (DLP)

- Protect business information, design documents, product blueprints, audio & video files from unauthorized access or leakage.
- Unauthorized users can not open a document even if directly emailed to them by mistake

### Application Control

- Permit or deny permissions to run any application based on users' profile
- Implement uniform application control policy

### Management Simplicity

- Automatic synchronization among multiple systems to eliminate manual re-configuration
- Intuitive GUI based mgmt and online help

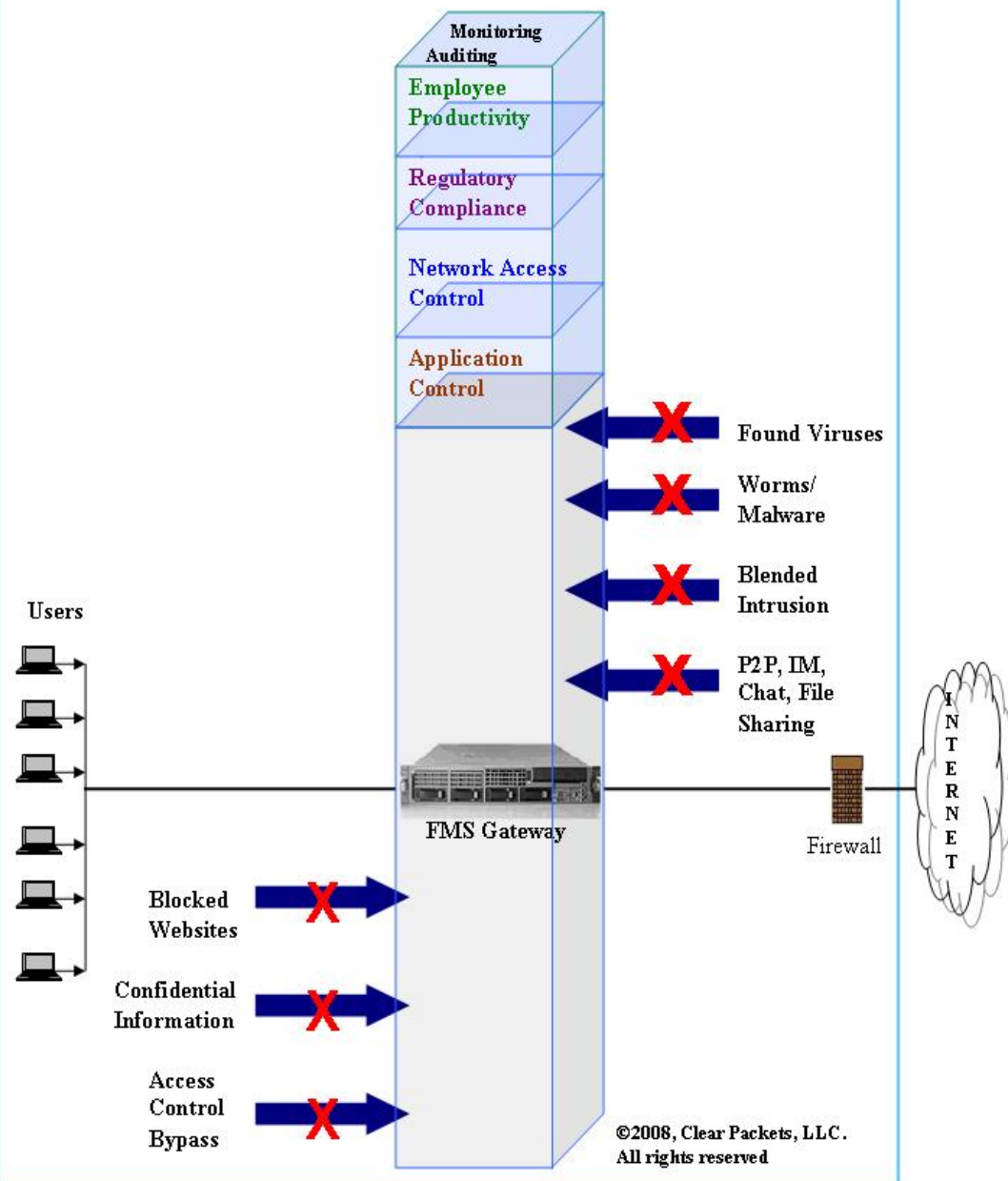
### Regulatory Compliance

- Meet compliance through verifiable network activity records for every user for every day
- Very economical storage of network activity – about \$1/user/year.

### High Availability (HA)

- 100% network availability even during software upgrades. Auto restartable processes for HA

### Organization Network



## Feature Summary

- Web Monitoring and Content Filtering – Create truly protected environment by blocking harmful and offensive content. View and update daily, weekly and monthly internet bandwidth usage limits for all groups of users. Network access record, 24/7/365, for future auditing.
- SafeSearch – Automatically enforces SafeSearch (content filtering) for Google, Yahoo, Live, MSN, AOL, Cuil and Ask search engines.
- Data Leak Protection (DLP) - User profile based access to business information, intellectual property and confidential information files. Only authorized users can download or receive protected files. For example, if a protected file is accidentally emailed to an unauthorized user or a mailing list containing both authorized and unauthorized users, it can not be viewed by the unauthorized recipients.
- Protection Against Found Viruses - Using *terminate-worms-on-the-wire* technology, stop found viruses/worms and other harmful programs right in the network to stop their spread before they reach their target computers and do the damage.
- Application Control - Selectively allow or deny any network application (e.g. Email, Web Browsing, Telnet, FTP etc.) to specific groups of users based on their role/profile in the organization. Easily implement application control policies throughout the organization.
- Using *Stateful URL-Domain Active Tracking* technology, effectively block or control access to internet websites (domains) through auto learning. Eliminate access bypass attempts to IP address changing domains. Even block only parts (sub domains) of popular websites.
- Powerful fine-grained advanced network access control for different groups of users. Easily implement policies like grant limited web browsing for temporary users, or no internet or email access to visitors etc. etc.
- Policy based internal resource access for guest users using block-access-unless-permitted model, or permit access to limited areas of the internal network to limit security risks.
- Complete information on each and every internet/intranet network activity for anytime today or any day in past in easy to read and understand format. Run queries such as show all users who accessed a website or all accesses for any user and many more.
- Single view of entire network, including even blocked access attempts or access attempts by known worms, viruses to get into the organization network, record of blocked download attempts of unauthorized programs, real-time information on IDS/IPS filter hits, record of all attempts to use a denied network application or service by any user. All this information is extremely useful for security auditing.
- Define rules for intrusion detection and prevention to guard against bots launching attack from hijacked networks or computers. Stop blended intrusion coming mixed with standard network applications/services or containing specific signatures deep inside the data packets.
- Less than 100 micro-second pass-through ping packet latency.
- Scalable and robust architecture with ultra fast user interface. Available in configurations supporting up to 128,000 simultaneous internet connections using TCP/UDP protocols.
- Available in 50, 100, 250, 500, 1000, 2500 and 2500+ user configurations to let the customers pay as they grow.
- Carrier class highly available (HA) system based on port bypass hardware and automatically restartable modules, even allows system upgrades without affecting network availability or operations. Constant heartbeat based monitoring of system processes to automatically restart any process if one ever fails. Graceful handling of extreme load conditions. Port bypass for complete/catastrophic system failures.
- Automatic updates by Clear Packets of the FMS-Enterprise Gateways deployed in customer networks to protect them against newly discovered threats. Customer networks are automatically protected against all threats discovered by Clear Packets.
- Auto-synchronization of main configuration among peer FMS-Enterprise Gateways deployed within single organization's network spread across different geographic locations.
- Intuitive, simple and extensive graphical user interface (GUI) to manage the system and obtain up to date information. Complete online help on each topic, along with examples, included in the product.
- True *bump-in-the-wire* architecture for easy installation, requires no topology changes in the network.
- Completely transparent to the end users and network applications – they do not know about existence of the FMS-Enterprise Gateway.
- Administrators can create their own signatures in very easy way by pointing-and-clicking on any program not allowed inside the network, just like a virus signature and that program is blocked from being downloaded. For example, create signatures for any P2P client or IM Client program to block their download by any user inside the network from any location on the internet.
- Remote or local console based management through VNC.
- Designed by keeping initial learning curve and familiarization in mind to let the administrators move from default functionality to sophisticated features at their own pace without affecting the network functionality or availability.
- Runs on standard AMD® or Intel® 64-bit advanced microprocessor based servers from Dell®, HP®, Gateway® or any other vendor, eliminating the need for custom hardware to keep the overall system cost down. General purpose server hardware provides very strong investment protection for the customers and leverages latest advances in microprocessor technology.

**Clear Packets, LLC**  
1400 Preston Road, Suite 400  
Plano, TX 75093

**Phone: 972-325-1966**  
**Email: [info@clearpackets.com](mailto:info@clearpackets.com)**

**For full product details, functionality explanation and other helpful information, please visit: <http://www.clearpackets.com>**