



# ComSifter

*protect web users now!*

**Model CS-8 Pro**



## What's your Network doing?

If you don't know then;

- Allowing your users to visit Pornography sites -- exposing them to harmful content and potentially making you liable.
- Allowing your users to spend time on gambling sites, in chat rooms, or looking for the latest hot deals—reducing productivity.
- Allowing probes by external hackers -- looking for vulnerabilities so your computers can be compromised.
- Allowing your computers to be flooded with 3<sup>rd</sup> party advertising – wasting your valuable bandwidth and distracting your users.

## With ComSifter you will know.

- ComSifter™ will stop pornography before it reaches your users—and becomes a problem to your users and potentially to you.
- Set ComSifter to block those items that are unproductive—whether it is gambling sites, chat rooms or on-line purchasing.
- Use ComSifters Firewall to block all ports internally or externally except for those ports you want available.
- Block 3<sup>rd</sup> party advertising – removing thousands of jpg/gif images from being stored on user computers – and keep them from tracking your users.
- See the most accessed websites on your network using ComSifters Top Sites Report – and then determine if those sites should be the most accessed.

With ComSifter you will know what your network is doing and if you don't like what you see – you can change it.

**Accuracy:** ComSifter uses a multi-tiered filtering system that stops more than 98% of inappropriate content.

Additionally, the ComSifter staff constantly monitors the Internet for new sites and adds them to the blacklist. ComSifter updates the blacklist either on a daily or weekly basis (depending on the Download Plan), ensuring that these sites are added to the filtering system.

**Simplicity:** ComSifter can be installed in your network in minutes using ComSifters Network and Firewall wizards. Active Directory integration and filter templates simplify user administration. Turn ComSifter on and know that your users are being protected from the dark side of the Internet.

**Inexpensive:** ComSifter is competitively priced, putting it within the reach of business, schools and even homeowners.

## How it Works

ComSifter is a high performance appliance that protects your network both internally and externally. You define what content your users are able to access. You also define what external sources can access your network. ComSifter is your gateway to the Internet and may not be bypassed—unless you say so. Internet information for all computers in your network must first go through the filter system built into the ComSifter.

With eight configurable filters, allows individual users to be directed through a specific filter, based on their username.

- First, ComSifter queries the requesting computer for the username of the user logged into the client computer.
- ComSifter then looks up the user name and associated filter in the ComSifter database. ComSifter then retrieves the requested page and applies the rules for the filter.
- Finally, ComSifter scans every word on the Internet page, using CSphrase Filtering Technology, looking for words and phrases that indicate inappropriate content. The context of these words is then analyzed to determine if the page should be blocked. This greatly reduces the number of false positives while blocking those pages that are offensive. *This feature accounts for ComSifter's remarkable accuracy.*

If the content passes through all filters, ComSifter allows the page to be loaded on the user's computer. If the content fails to pass through any of the filters, an "Access Denied" page is sent to the user's computer. All this is done in a *fraction of a second*, with no delay seen by the user.

## Specifications

### Network

#### **Router/NAT Translation**

- Operates in either standard router or NAT Translation mode.
- Supports public and private IP's

#### **Router throughput**

- Raw 40Mb/s with minimal firewall rule set.

#### **Interfaces**

- 10/100 Ethernet WAN interface connects to cable/DSL/TI modem by way of static, DHCP or PPPOE connection methods.
- 10/100 Ethernet LAN interface connects to internal local area network.

#### **Number of Computers**

Limited only be the following factors

- Open requests – max 1000 (each request is typically open for less than 1 sec.)
- Content Filtering added latency – 10ms average
- Speed of Internet Connection

#### **Caching Proxy**

ComSifter incorporates a caching proxy that caches web pages that have been accessed. Subsequent accesses to these pages are served from the caching proxy – not from the Internet. Access time from the cache is near instantaneous and depending on network usage patterns this may result in a substantial reduction in Internet network traffic.

- Cache size – 2 Gbytes
- Largest cacheable object – 200Mbytes

#### **DHCP Server**

- Highly configurable
- Supports multiple subnets

#### **DNS Forwarding**

The LAN IP of the ComSifter will forward all DNS requests to the configured DNS server.

### Firewall

Industrial Grade rules based Firewall.

- Inbound/outbound rules.
- QOS for outbound traffic
- Log Rate Limiting protects against DOS
- One-step Wizard expedites configuration process

### Mechanical & Environmental

- Dimensions – HxWxD 11.5" x 5.5" x 10.5"
- Weight – 10 lbs
- Temperature 50 - 95° F (10 - 35° C)
- Electrical 115 VAC, 75 watts

### Content Filter

- Eight individually configurable filters.
- Domains, URLs or individual sites may be filtered or un-filtered.
- Extension and MIME types may be blocked.
- Individual users may be assigned to a filter.
- Individual users or computers can be blocked (timed) or bypassed.
- 10 configurable filter groups per individual filter.
- Warn & Go for temporary viewing of web site.
- Time of Day scheduling for each filter.
- Comprehensive search facility for finding words, domains, URLs, extensions and MIME types in the filter.
- Master Filter allows fast, system wide changes.

#### **Configurable CSphrase Word Lists**

- Web pages are scanned for banned or weighted words or phrases.
- 12 configurable words/phrases categories.
- Words may be added or deleted to each category.
- Configurable Sensitivity settings.

#### **Active Directory Integration**

- Filter matrix is defined in Active Directory and users are added/deleted/changed only in AD.
- Updates automatically hourly.

#### **Administrator Functions**

- Module-based admin functions allow granting only needed rights to each admin.
- User, Security and Firewall Access Log Files.
- Top Sites report shows most frequently accessed sites and weekly change rate.
- Extensive diagnostics including DNS and Internet tests.
- Customizable Access Denied Page.
- Automatic Firmware Updates when available

#### **Blacklist Update**

- Updated automatically dependent on service contract.
- Update occurs between 12AM and 3AM.
- Takes approximately 2 minutes and is non-interruptive and requires no user intervention..

### Configuration

- Any browser on the Local Area Network.
- Highly secure remote access

**Licensing** - Includes unlimited seat licensing.

### Warranty

- ComSifter is warranted from hardware failure for one year from the date of purchase.
- Extended warranty plans are available.