



# Astaro Security Gateway Overview



## Astaro Internet Security

Securing over 30,000 businesses, the award-winning line of Astaro™ Security Gateways protect networks from the endless amount of viruses, spam and hackers that threaten to compromise a network's security.

Astaro Security Gateways are powerful, easy to manage and secure solutions that assist IT managers in executing the mission critical security functions necessary for optimum network protection:

### Securing Email Traffic

- ▶ **Antispam & Phishing**  
Blocks unwanted email and prevents data leakage using the latest techniques.
- ▶ **Dual Antivirus Protection**  
Catches viruses in POP3, SMTP, and Webmail traffic.
- ▶ **Transparent Encryption**  
Signs and encrypts emails with TLS, OpenPGP, or S/MIME - clientless!

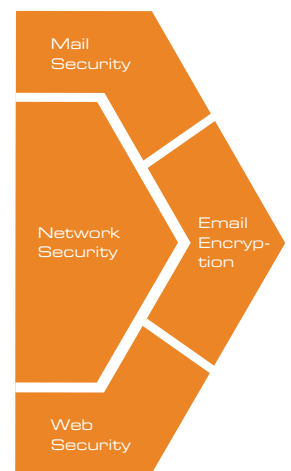
### Filtering Web Access

- ▶ **Antivirus & Spyware**  
Prevents client infections from web surfing and downloading.
- ▶ **URL Filtering**  
Blocks access to 20 million+ unproductive websites.
- ▶ **IM & P2P Control**  
Allows management of apps usage such as ICQ, MSN, and Skype.

### Protecting Networks

- ▶ **Network Access Control**  
Manages time-based network access through a stateful packet inspection firewall.
- ▶ **Intrusion Prevention**  
Allows in-depth filtering to protect against more than 6,000 attacks.
- ▶ **Remote Access & VPN**  
Securely connects remote workers and branch offices.

Astaro Security Gateway



## How Astaro is different

Since 2000, when Astaro invented what today is called Unified Threat Management, Astaro's research and development team has continuously refined its technology and extended Astaro's lead in multi-function security appliances:

### Astaro's applications are best-of-breed

Astaro isn't cobbling together stand-alone products, nor does it inflate firewall/VPN platforms with rudimentary features. All of Astaro's applications are carefully selected, run through intense testing, and compete with the best point solutions available - all integrated into a hardened embedded Security Linux.

### First with new protection layers

Our modular and open software architecture allows Astaro to add new layers of protection as quickly as new threats arise. Our customers always have the latest protection layers available, automatically updated, free of charge. All security functions are available on all appliances, without compromises.

### Only server-class hardware

Instead of cheap proprietary platforms and operating systems, Astaro runs on what powers the most demanding applications on the Internet: Intel-compatible Server systems powered by the latest processor technology, including Intel™ Xeon and Multi-Core CPUs.





Astaro Security Gateway **110**



Small networks

Astaro Security Gateway **120**



Small networks

Astaro Security Gateway **220**



Medium networks

**Functionality**

Mail Security	yes	yes	yes
Email Encryption	S/MIME, OpenPGP	S/MIME, OpenPGP	S/MIME, OpenPGP
Web Security	yes	yes	yes
Network Security	yes	yes	yes

**System**

10/100 Mbps Ethernet Ports	3	3	8
Gigabit Ethernet Ports	----	----	----
Gigabit SFP Ports	----	----	----
Disk Storage	yes	yes	yes

**Performance**

Firewall Throughput	100 Mbps	100 Mbps	320 Mbps
VPN Throughput	30 Mbps	30 Mbps	170 Mbps
Intrusion Protection Throughput	25 Mbps	25 Mbps	140 Mbps
Emails per Day	150,000	150,000	300,000
Users	10	unlimited	unlimited
Concurrent Connections	60,000	60,000	400,000



Common Criteria Certification



ICSA Labs Certification



2005 "Best of the Year"  
 2006 "Best of the Year"  
 2007 "Best Network Security"  
 Recipient of:  
 "Best Buy" & "Recommended" Status  
 "5 Star Rating"



# Astaro Security Gateway Overview

## Astaro Security Gateway 320

## Astaro Security Gateway 425

## Astaro Security Gateway 525

## ASG Software



Medium networks

Large networks

Large networks

Small to large networks

yes	yes	yes	yes
S/MIME, OpenPGP	S/MIME, OpenPGP	S/MIME, OpenPGP	S/MIME, OpenPGP
yes	yes	yes	yes
yes	yes	yes	yes
4	----	1	**
4	6	10/4*	**
----	2	0/6*	**
yes	yes	yes	**
420 Mbps	1.7 Gbps	3 Gbps	**
200 Mbps	265 Mbps	400 Mbps	**
180 Mbps	450 Mbps	750 Mbps	**
450,000	700,000	900,000	**
unlimited	unlimited	unlimited	10 - unlimited
550,000	700,000	>1,000,000	**

\*ASG 525F

\*\*Depending on hardware platform used.



2007 "Editor's Choice"  
Recipient of:  
"5 Star Rating"



2005 "Best of the Year"  
2005 "Editor's Choice"



2005 "Product of the Year"  
2006 "Product of the Year"  
Two-time recipient of:  
"Product Recommended" Status

## Astaro Security Gateway Highlights

### Mail Security

- ▶ Scans in- and outbound POP3 and SMTP traffic, also encrypted and compressed
- ▶ Antispam: Recurrent Pattern Detection™, RBL, Pattern, Heuristics, SPF, BATV, URLs, Greylisting and B/W lists, independant from language and format
- ▶ Dual Antivirus Engine: >300,000 patterns
- ▶ Detects phishing URLs in emails
- ▶ Clientless Encryption: TLS, S/MIME, OpenPGP
- ▶ Intrusion Prevention rules for email servers
- ▶ Deletes, marks, or quarantines bad emails on integrated hard drive
- ▶ Web portal and daily reports for self-management of user's individual queues
- ▶ Multilingual/Multinational

### Web Security

- ▶ Transparent high performance HTTP & FTP proxies
- ▶ Dual Antivirus Engine: >300,000 patterns
- ▶ Antispyware: Preventing infection and hidden communication
- ▶ URL Filtering: 20+ million websites in 60 categories
- ▶ Active content filtering like Java, Active X, Flash, Cookies, VBScript, JavaScript
- ▶ Time-, User-, User-group-based filtering
- ▶ Web filter based on MIME/content type
- ▶ IM control: Skype, AIM, ICQ, MSN, Yahoo, IRC, Gtalk, Jabber
- ▶ P2P control: Applejuice, Ares, BitTorrent, Direct Connect, Gnutella, Edonkey, Imesh, MUTE, Manolito, Pando, Winny

### Network Security

- ▶ Stateful deep inspection firewall
- ▶ IPS: 6,000+ rules, automatic attack signature update
- ▶ DoS, DDoS, Portscan, Worm and Botnet protection
- ▶ VPN & Remote Access: SSL, IPSec, L2TP over IPSec, PPTP
- ▶ Supports integrated and external Certificate Authorities (CAs)
- ▶ Granular traffic shaping (Guarantee/ Maximum/ Priority)

### Security Management

- ▶ Simple management in web browser
- ▶ Meaningful dashboards and graphical reports
- ▶ Setup wizard and online help
- ▶ Automatic real time update of firmware and attack patterns
- ▶ Customizable messages to users in local language

- ▶ Active/Passive (Hot Standby) and Active/Active (Clustering) without need of load balancers
- ▶ Full state and data synchronization for Hot Standby and Clustering
- ▶ Authentication: Local, Active Directory, eDirectory, Radius, Tacacs+, LDAP
- ▶ Single Sign-On: Active Directory, eDirectory

### Networking

- ▶ Interfaces: Ethernet, DSL, Cable, 802.1q VLAN, PPP
- ▶ Web proxy cache
- ▶ Routing modes: Static, Policy, OSPF, NAT, PAT, Bridging
- ▶ Unlimited users, interfaces, policies, schedules, tunnels, connections\*
- ▶ Stateful VoIP support: H.323, SIP
- ▶ Multiple Internet uplinks
- ▶ 802.3ad Link Aggregation
- ▶ Server load balancing

\*Users on ASG 110 and on Software Appliance are limited.

## 24x7 Service Offerings

### Support

Award-winning customer support offerings include 24x7 technical assistance and expedited appliance replacement.

### Security Response

Subscriptions to Astaro's 24x7 Up2Date Security Response Service keep networks protected and secure at all times.

### Training

To maximize administrator productivity, free, self-paced training is available on the web along with regularly-scheduled live seminars.

### Online Resources

Access a wealth of information about Astaro products, offerings, research and support tools through our collection of online resources.

## Contact Astaro

Download an evaluation copy of the Astaro Security Gateway software at <http://www.astaro.com/download> or contact Astaro at:

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### Your Astaro Solutions Partner