



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

- ▶ **Anti Spam & Phishing** blocks unwanted email using the latest techniques.
- ▶ **Dual Virus 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

- ▶ **Content Filtering** filters malicious content from web and ftp traffic.
- ▶ **Anti-Virus & Spyware** prevents client infections from web surfing and downloading.
- ▶ **URL Filtering** blocks access to 20 million+ unproductive websites.

Protecting Networks

- ▶ **Intrusion Prevention** augments firewalls with deep-inspection filtering.
- ▶ **Remote access & VPN** securely connects remote workers and branch offices.
- ▶ **IM & P2P Control** allows management of apps such as ICQ, MSN, and Skype.

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.

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.

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-Server systems with a hardened embedded security Linux, accelerated by a security co-processor.





Astaro Security Gateway **110**



Small networks

Astaro Security Gateway **120**



Small networks

Astaro Security Gateway **220**



Medium networks

Functionality

Email Filtering	yes	yes	yes
Email Encryption	S/MIME, OpenPGP	S/MIME, OpenPGP	S/MIME, OpenPGP
Web Filtering	yes	yes	yes
Network Protection	yes	yes	yes

System

10/100 Mbps Network Ports	3	3	8
10/100/1000 Mbps Network Ports	----	----	----
Disk Storage	yes	yes	yes
Security Co-Processor	----	----	----

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"
 Recipient of:
 "Best Buy" & "Recommended" Status
 "5 Star Rating"



Astaro Security Gateway Overview

Astaro Security Gateway 320

Astaro Security Gateway 425a

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	----	----	*
4	8	10	*
yes	yes	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	1,200,000	*
unlimited	unlimited	unlimited	10 - unlimited
550,000	700,000	>1,000,000	*

*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

Email Filtering

- ▶ Scans in- and outbound POP3 and SMTP traffic, also encrypted and compressed
- ▶ Anti Spam: Recurrent Pattern Detection™, RBL, Pattern, Heuristics, SPF, BATV, URLs, Greylisting and B/W lists, independent from language and format
- ▶ Dual Anti-Virus 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 Filtering

- ▶ Transparent high performance HTTP & FTP proxies
- ▶ Dual Anti-Virus Engine: >300,000 patterns
- ▶ Anti Spyware: 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

Network Protection

- ▶ Stateful deep inspection firewall
- ▶ IPS: 6,000+ rules, automatic attack signature update
- ▶ DoS, DDoS, Portscan, Worm and Botnet protection
- ▶ IM control: AIM, ICQ, MSN, Skype, Yahoo, IRC, Gtalk, Jabber

- ▶ P2P control: BitTorrent, Kazaa, Gnutella, eDonkey, WinMX, Winny
- ▶ VPN & Remote Access: SSL, IPSec, L2TP over IPSec, PPTP
- ▶ Supports integrated and external Certificate Authorities (CAs)
- ▶ In- and outbound traffic shaping (Guarantee/ Maximum/ Priority)

Security Management

- ▶ Simple management in web browser
- ▶ Meaningful dashboards and graphical reports
- ▶ Setup wizard and online help
- ▶ Automatic update of firmware and attack patterns in real time
- ▶ Customizable messages to users (e.g. IT department contact details) 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 for intelligent bandwidth management
- ▶ Routing modes: Static, Policy, OSPF, NAT, PAT, Bridging
- ▶ Unlimited users, interfaces, policies, schedules, tunnels, connections*
- ▶ Stateful VoIP support: H.323, SIP
- ▶ Multiple Internet uplink support
- ▶ 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:

Europe, Middle East, Africa

Astaro AG
Amalienbadstrasse 36
76227 Karlsruhe
Germany
T: +49 721 255 16 0
F: +49 721 255 16 200
emea@astaro.com

The Americas

Astaro Corporation
3 New England Executive Park
Burlington, MA 01803
USA
T: +1 781 345 5000
F: +1 781 345 5100
americas@astaro.com

Asia Pacific Region

Astaro K.K.
12/F Ark Mori Building
1-12-32 Akasaka Minato-ku
Tokyo 107-6012, Japan
T: +81 3 4360 8350
apac@astaro.com



www.astaro.com

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