

Astaro Security Gateway Overview



Astaro All-In-One Internet Security

Securing over 100,000 networks for 47,000 customers, the award-winning line of Astaro™ Security Gateways protects against the endless number of viruses, spam and hackers that threaten to compromise network security today.

Astaro Security Gateways are feature rich, secure and easy to manage solutions that enable IT managers to implement the mission critical security functions necessary for optimum network protection:

Protecting Networks

- ▶ **Stateful Inspection Firewall**
Manages time-based network access.
- ▶ **Intrusion Prevention**
Allows in-depth filtering to protect against more than 7,500 attacks.
- ▶ **Remote access & VPN**
Securely connects remote workers and branch offices.

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 with two independent scanners.
- ▶ **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 35 million+ unproductive or illegal websites.
- ▶ **IM & P2P Control**
Allows management of application usage such as ICQ, MSN, and Skype.



Intuitive Management



Extensive Reporting

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 intuitive unified management approach has inspired many impersonators worldwide and today Astaro is again in the vanguard in establishing the next generation of integrated security platforms known as eXtensible Threat Management (XTM) appliances.

The Astaro Difference

- ▶ Only Astaro appliances are available in three different types: as hardware, software, and virtual appliances. Integration into existing infrastructures has never been easier.
- ▶ Nobody's faster: With Astaro's "10-Minute Setup" every installation is completed rapidly.
- ▶ Nobody's more flexible: Astaro's "One-Click Clustering" technology enables scalable performance and system stability with up to ten cluster nodes.
- ▶ Over 47,000 customers are already protecting their networks with an Astaro appliance.





Astaro Security Gateway **110**



Small networks

Astaro Security Gateway **120**



Small networks

Astaro Security Gateway **220**



Medium networks

| | | | |
|---------------------------------|----------------|----------------|----------------|
| Recommended Users | 1 - 10 | 10 - 50 | 30 - 150 |
| Functionality | | | |
| Mail Security | yes | yes | yes |
| Web Security | yes | yes | yes |
| Network Security | yes | yes | yes |
| System | | | |
| Quarantine Storage | 30 GB | 30 GB | 30 GB |
| Log/Reporting Storage | 40 GB | 40 GB | 40 GB |
| 10/100 Mbps Ethernet Ports | 3 | 3 | 8 |
| Gigabit Ethernet Ports | ---- | ---- | ---- |
| Gigabit SFP Ports | ---- | ---- | ---- |
| Active/Passive HA (Hot Standby) | yes | yes | yes |
| Active/Active HA (Cluster) | yes | yes | yes |
| Performance | | | |
| Firewall Throughput | 200 Mbps | 200 Mbps | 350 Mbps |
| VPN Throughput | 60 Mbps | 60 Mbps | 170 Mbps |
| Intrusion Protection Throughput | 80 Mbps | 80 Mbps | 190 Mbps |
| Email Throughput (scanned) | 30,000 Mails/h | 30,000 Mails/h | 45,000 Mails/h |
| Users | 10 | unlimited | unlimited |
| Concurrent Connections | 90,000 | 90,000 | 300,000 |



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 **425**

Astaro Security Gateway **525**

ASG **Software & Virtual Appliance**



Medium networks

Large networks

Large networks

Small to large networks

70 - 350

200 - 1,000

600 - 3,000

**

yes

yes

yes

yes

yes

yes

yes

yes

yes

yes

yes

yes

30 GB

60 GB

60 GB

**

40 GB

80 GB

80 GB

**

4

1

**

4

6

10/4*

**

2

0/6*

**

yes

yes

yes

**

yes

yes

yes

**

420 Mbps

1.7 Gbps

3 Gbps

**

220 Mbps

300 Mbps

400 Mbps

**

240 Mbps

400 Mbps

550 Mbps

**

60,000 Mails/h

130,000 Mails/h

200,000 Mails/h

**

unlimited

unlimited

unlimited

10 - unlimited

600,000

1,000,000

1,700,000

**

*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

Security Features - Details

Mail Security

- ▶ Reputation service with spam outbreak monitoring based on patented Recurrent-Pattern-Detection™ technology
- ▶ Advanced spam detection techniques: RBL, heuristics, SPF record checking, BATV, URL scanning, greylisting, HELO & RDNS checks
- ▶ User Quarantine Report mailed out daily at customizable times
- ▶ Sender domain and IP blacklisting for SMTP
- ▶ Recipient Verification against Active Directory account
- ▶ Blocks malicious and unwanted files with MIME type checking
- ▶ Clientless email encryption, based on S/MIME, OpenPGP, and TLS standards

Web Security

- ▶ Dual Antivirus engines for HTTP and FTP
- ▶ Web proxy cache
- ▶ Prevents spyware infection and hidden communication
- ▶ Comprehensive URL database with international content across 60 categories in more than 70 languages from 200 countries
- ▶ Blocking, alerting and bandwidth shaping for IM/P2P applications: Skype, AIM, ICQ, MSN, Yahoo, IRC, Gtalk, Jabber, Applejuice, Ares, BitTorrent, Direct Connect, Gnutella, Edonkey, Imesh, MUTE, Manolito, Pando, Winny
- ▶ Blocks hidden installation of active content (such as Java, Active X, Flash, Cookies, VBScript, JavaScript)

Network Security

- ▶ Stateful deep inspection firewall
- ▶ DoS, DDoS, Portscan, Worm and Botnet protection
- ▶ IPS: 7,500+ rules, automatic attack signature update
- ▶ VPN & Remote Access: SSL, IPSec, L2TP over IPSec, PPTP
- ▶ Site-to-Site IPSec VPN

Security Management

- ▶ Simple management in web browser
- ▶ Meaningful dashboards and graphical reports
- ▶ Daily executive 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
- ▶ Routing modes: Static, Policy, OSPF, NAT, PAT, Bridging
- ▶ H.323, SIP
- ▶ Multiple Internet uplinks
- ▶ 802.3ad Link Aggregation
- ▶ Server load balancing

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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