



## 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

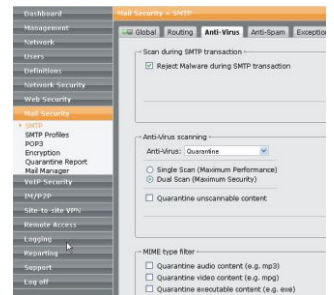
- ▶ **Stateful Inspection Firewall**  
Manages time-based network access.
- ▶ **Intrusion Prevention**  
Allows in-depth filtering to protect against more than 8,000 attacks.
- ▶ **Remote Access & VPN**  
Securely connects remote workers and branch offices.

### Securing Email Traffic

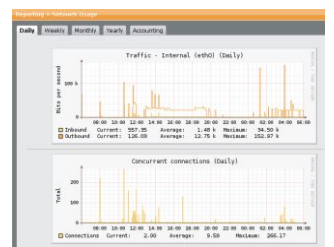
- ▶ **Antispam & Phishing**  
Blocks unwanted email and prevents data leakage using the latest techniques.
- ▶ **Dual Antivirus Protection**  
Catches viruses in POP3, SMTP, and Webmail with two independent scanners.
- ▶ **Transparent Encryption**  
Signs and encrypts emails with TLS, OpenPGP, or S/MIME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

### Filtering Web Access

- ▶ **URL Filtering**  
Controls web surfing by blocking over 35 million sites in 96 categories.
- ▶ **Antivirus & Spyware**  
Filters & scans all FTP, HTTP and HTTPS web traffic.
- ▶ **IM & P2P Control**  
Manages Bittorrent, Skype, ICQ, MSN, and more.



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



Small networks

Astaro Security Gateway



Medium networks

Astaro Security Gateway



Medium networks

**Recommended Users**

Max. Recommended FW Users	10**/50	150	350
Max. Recommended UTM Users	10**/25	70	200

**Performance**

Firewall Throughput	200 Mbps	500 Mbps	1 Gbps
VPN Throughput	80 Mbps	170 Mbps	220 Mbps
Intrusion Protection Throughput	90 Mbps	190 Mbps	240 Mbps
UTM Throughput	35 Mbps	50 Mbps	70 Mbps
Email Throughput (seen)	200,000 Mails/h	300,000 Mails/h	450,000 Mails/h
Email Throughput (scanned)	30,000 Mails/h	45,000 Mails/h	60,000 Mails/h
Licensed Users	10**/unlimited	unlimited	unlimited
Concurrent Connections	90,000	300,000	600,000

**System**

Quarantine Storage	30 GB	30 GB	60 GB
Log/Reporting Storage	40 GB	40 GB	80 GB
10/100 Mbps Ethernet Ports	4	8	4
Gigabit Ethernet Ports	----	----	4
Gigabit SFP Ports	----	----	----
Active/Passive HA (Hot Standby)	yes	yes	yes
Active/Active HA (Cluster)	yes	yes	yes



Common Criteria Certification



ICSA Labs Certification



2005 "Best of the Year"  
2006 "Best of the Year"  
2007 "Best Network Security"

"Best Buy" & "Recommended" Status  
"5 Star Rating"



# Astaro Security Gateway Overview

Astaro Security Gateway



Large networks

Astaro Security Gateway



Large networks

Astaro Security Gateway 625



Large networks

ASG Software & Virtual Appliance



Small to large networks

1,000	2,500	4,000	*
600	1,300	2,000	*
3 Gbps	5.5 Gbps	9 Gbps	*
400 Mbps	500 Mbps	580 Mbps	*
500 Mbps	800 Mbps	1.1 Gbps	*
135 Mbps	180 Mbps	350 Mbps	*
1,200,000 Mails/h	1,500,000 Mails/h	2,200,000 Mails/h	*
130,000 Mails/h	200,000 Mails/h	250,000 Mails/h	*
unlimited	unlimited	unlimited	10 - unlimited
1,000,000	1,700,000	2,500,000	*
60 GB	120 GB	200 GB	*
80 GB	160 GB	220 GB	*
---	---	---	*
6	10	10	*
2	4	8	*
yes	yes	yes	*
yes	yes	yes	*

\*Depending on hardware platform used \*\*ASG 110 limited to 10 users



2007 "Editor's Choice"

"5 Star Rating"



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



2005 "Product of the Year"  
2006 "Product of the Year"

"Product Recommended" Status



## Security Features - Details

**Mail Security**

- ▶ Dual Antivirus engines operate with over 800,000 patterns
- ▶ 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
- ▶ Block unwanted files with MIME type checking
- ▶ Clientless email encryption, based on S/MIME, OpenPGP, and TLS standards

**Web Security**

- ▶ Filter HTTP, HTTPS, & FTP
- ▶ Protect against viruses with dual, parallel engines
- ▶ Intelligent Web cache
- ▶ Captive Authentication Portal
- ▶ Filter URLs based on their Global Reputation
- ▶ Prevent spyware infection and hidden communication
- ▶ URL database classifies sites into 96 categories, in more than 65 languages from hundreds of countries
- ▶ Time, user and group-based access policies
- ▶ Blocking, alerting and bandwidth shaping for IM/P2P applications like Bittorrent, Skype, and most others
- ▶ Blocks hidden installation of active content

**Network Security**

- ▶ Stateful deep inspection firewall
- ▶ DoS, DDoS, Portscan, Worm and Botnet protection
- ▶ IPS: 8,000+ rules, automatic attack signature update
- ▶ VPN & Remote Access: SSL, IPSec, L2TP over IPSec, PPTP
- ▶ Full support for all iPhone VPN connectivity options
- ▶ Site-to-Site IPSec & SSL VPN

**Security Management**

- ▶ Fully managed via Web GUI
- ▶ Customizable UserPortal for end-user mail and vpn management, in 15 languages
- ▶ Periodic executive reports
- ▶ Built-in reporting with PDF & CSV Export options
- ▶ Setup wizards and detailed online help
- ▶ Private SNMP MIB

- ▶ Localized end-user messages
- ▶ Automatic real time update of firmware and attack patterns
- ▶ Active/Passive (Hot Standby) and Active/Active (Clustering) with no need for load balancer products
- ▶ Authentication: Local, Active Directory, eDirectory, Radius, Tacacs+, LDAP
- ▶ Single Sign-On: Active Directory, eDirectory

**Networking**

- ▶ Interfaces: Ethernet, DSL, Cable, 802.1q VLAN, PPP
- ▶ Auto-Balance multiple WAN uplinks with ease
- ▶ Multicast Routing Support
- ▶ Routing modes: Static, Policy, OSPF, NAT, PAT, Bridging
- ▶ H.323, SIP support
- ▶ Ethernet 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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