



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 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 **110/120**



Small networks

Astaro Security Gateway **220**



Medium networks

Astaro Security Gateway **320**



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



Astaro Security Gateway Overview

Astaro Security Gateway **425**



Large networks

Astaro Security Gateway **525**



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"
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

- ▶ 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
- ▶ Blocks 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 URL's 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 user-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) without 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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