

## Security Features - Details

<p><b>Mail Security</b></p> <ul style="list-style-type: none"> <li>▶ Dual Antivirus engines operate with over 800,000 patterns</li> <li>▶ Reputation service with spam outbreak monitoring based on patented Recurrent-Pattern-Detection™ technology</li> <li>▶ Advanced spam detection techniques: RBL, heuristics, SPF record checking, BATV, URL scanning, greylisting, HELO &amp; RDNS checks</li> <li>▶ User Quarantine Report mailed out daily at customizable times</li> <li>▶ Sender domain and IP blacklisting for SMTP</li> <li>▶ Recipient Verification against Active Directory account</li> <li>▶ Blocks unwanted files with MIME type checking</li> <li>▶ Clientless email encryption, based on S/MIME, OpenPGP, and TLS standards</li> </ul>	<p><b>Web Security</b></p> <ul style="list-style-type: none"> <li>▶ Filter HTTP, HTTPS, &amp; FTP</li> <li>▶ Protect against viruses with dual, parallel engines</li> <li>▶ Web URL object cache</li> <li>▶ Prevents spyware infection and hidden communication</li> <li>▶ URL database classifies sites into 96 categories, in more than 65 languages from hundreds of countries</li> <li>▶ Time-, user- and user-group-based access policies</li> <li>▶ 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</li> <li>▶ Blocks hidden installation of active content (such as Java, Active X, Flash, Cookies, VBScript, JavaScript)</li> </ul>	<p><b>Network Security</b></p> <ul style="list-style-type: none"> <li>▶ Stateful deep inspection firewall</li> <li>▶ DoS, DDoS, Portscan, Worm and Botnet protection</li> <li>▶ IPS: 7,500+ rules, automatic attack signature update</li> <li>▶ VPN &amp; Remote Access: SSL, IPSec, L2TP over IPSec, PPTP</li> <li>▶ Full support for all iPhone VPN connectivity options</li> <li>▶ Site-to-Site IPSec &amp; SSL VPN</li> </ul> <p><b>Security Management</b></p> <ul style="list-style-type: none"> <li>▶ Simple management in web browser in various languages</li> <li>▶ Customizable UserPortal for end-user mail and vpn management, in 15 languages</li> <li>▶ Periodic executive reports</li> <li>▶ Built-in reporting with PDF &amp; CSV Export options</li> <li>▶ Setup wizards and detailed online help</li> </ul>	<ul style="list-style-type: none"> <li>▶ Localized end-user messages</li> <li>▶ Automatic real time update of firmware and attack patterns</li> <li>▶ Active/Passive (Hot Standby) and Active/Active (Clustering) without need of load balancers</li> <li>▶ Authentication: Local, Active Directory, eDirectory, Radius, Tacacs+, LDAP</li> <li>▶ Single Sign-On: Active Directory, eDirectory</li> </ul> <p><b>Networking</b></p> <ul style="list-style-type: none"> <li>▶ Interfaces: Ethernet, DSL, Cable, 802.1q VLAN, PPP</li> <li>▶ Routing modes: Static, Policy, OSPF, NAT, PAT, Bridging</li> <li>▶ H.323, SIP</li> <li>▶ Auto-Balance multiple WAN uplinks with ease</li> <li>▶ 802.3ad Link Aggregation</li> <li>▶ Server load balancing</li> </ul>
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## 24x7 Service Offerings

<p><b>Support</b></p> <p>Award-winning customer support offerings include 24x7 technical assistance and expedited appliance replacement.</p>	<p><b>Security Response</b></p> <p>Subscriptions to Astaro's 24x7 Up2Date Security Response Service keep networks protected and secure at all times.</p>	<p><b>Training</b></p> <p>To maximize administrator productivity, free, self-paced training is available on the web along with regularly-scheduled live seminars.</p>	<p><b>Online Resources</b></p> <p>Access a wealth of information about Astaro products, offerings, research and support tools through our collection of online resources.</p>
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## 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**

2009-02-24



# 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:

<p><b>Protecting Networks</b></p> <ul style="list-style-type: none"> <li>▶ Stateful Inspection Firewall Manages time-based network access.</li> <li>▶ Intrusion Prevention Allows in-depth filtering to protect against more than 7,500 attacks.</li> <li>▶ Remote Access &amp; VPN Securely connects remote workers and branch offices.</li> </ul>	<p><b>Securing Email Traffic</b></p> <ul style="list-style-type: none"> <li>▶ Antispam &amp; Phishing Blocks unwanted email and prevents data leakage using the latest techniques.</li> <li>▶ Dual Antivirus Protection Catches viruses in POP3, SMTP, and Webmail with two independent scanners.</li> <li>▶ Transparent Encryption Signs and encrypts emails with TLS, OpenPGP, or S/MIME - clientless!</li> </ul>	<p><b>Filtering Web Access</b></p> <ul style="list-style-type: none"> <li>▶ URL Filtering Controls web surfing by blocking over 35 million sites in 96 categories.</li> <li>▶ Antivirus &amp; Spyware Filters &amp; scans all FTP, HTTP and HTTPS web traffic.</li> <li>▶ IM &amp; P2P Control Manages Bittorrent, Skype, ICQ, MSN, and more.</li> </ul>
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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 Overview

Astaro Security Gateway 110/120



Small networks

Astaro Security Gateway 220



Medium networks

Astaro Security Gateway 320



Medium networks

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

Max. Recommended FW Users	10**/50	150	350	1,000	2,500	4,000	*
Max. Recommended UTM Users	10**/25	70	200	600	1,300	2,000	*
<b>Functionality</b>							
Mail Security	yes	yes	yes	yes	yes	yes	yes
Web Security	yes	yes	yes	yes	yes	yes	yes
Network Security	yes	yes	yes	yes	yes	yes	yes
<b>System</b>							
Quarantine Storage	30 GB	30 GB	30 GB	60 GB	120 GB	200 GB	*
Log/Reporting Storage	40 GB	40 GB	40 GB	80 GB	160 GB	220 GB	*
10/100 Mbps Ethernet Ports	4	8	4	----	----	----	*
Gigabit Ethernet Ports	----	----	4	6	10	10	*
Gigabit SFP Ports	----	----	----	2	4	8	*
Active/Passive HA (Hot Standby)	yes	yes	yes	yes	yes	yes	*
Active/Active HA (Cluster)	yes	yes	yes	yes	yes	yes	*
<b>Performance</b>							
Firewall Throughput	200 Mbps	500 Mbps	1 Gbps	3 Gbps	5.5 Gbps	9 Gbps	*
VPN Throughput	60 Mbps	170 Mbps	220 Mbps	300 Mbps	400 Mbps	450 Mbps	*
Intrusion Protection Throughput	80 Mbps	190 Mbps	240 Mbps	400 Mbps	550 Mbps	650 Mbps	*
Email Throughput (scanned)	30,000 Mails/h	45,000 Mails/h	60,000 Mails/h	130,000 Mails/h	200,000 Mails/h	250,000 Mails/h	*
Users	10**/unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	10 - unlimited
Concurrent Connections	90,000	300,000	600,000	1,000,000	1,700,000	2,500,000	*

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



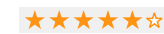
Common Criteria Certification



ICSA Labs Certification



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



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