

NG Firewall

A multi-layered approach to network security



NG Firewall simplifies network security with a single, modular software platform designed to fit the evolving needs of your organization. NG Firewall provides a browser-based, responsive and intuitive interface enabling you to quickly gain visibility into the traffic on the network. From content filtering to advanced threat protection, VPN connectivity to application-based shaping for bandwidth optimization, NG Firewall delivers a bulletproof network security platform for organizations in any industry.

Why NG Firewall?

Software is more flexible

- Deploy on your hardware or ours; virtualized or in the cloud.

Open source is more secure

- Our Linux-based, open source platform stands up to the scrutiny of developers.

Application Based Ecosystem

- NG Firewall is a platform which includes a comprehensive package of technology applications, or 'apps' for a multi-layered approach to network security.

Comprehensive Security at the Gateway

Proactively stop malware, hacking attempts, phishing schemes and other threats before they reach users' devices.

Next-Generation Filtering

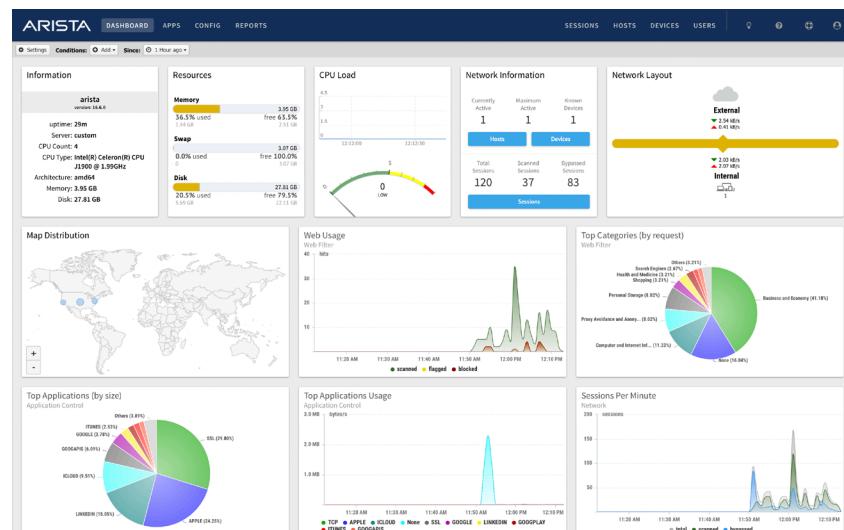
Get a handle on every rogue application, encrypted web request, malware distribution point, drive-by malvertising attempt, and rash of spam.

Deep Analysis and Insights

Gain valuable insights from database-driven reports without the need for a separate appliance. See the network status at a glance on the dashboard, ensure compliance with full event logs, and get notifications of threats, anomalies or unusual user behavior with alert rules.

Superior Connectivity & Performance

Meet the challenges of a remote workforce, branch offices and guest Wi-Fi. Keep users and data safe regardless of location or level of access. Balance competing priorities, ensure Quality of Service (QoS), and maximize uptime.



Advanced Security

- Protection, encryption, control & visibility anywhere
- NG Firewall, IPS, VPN & more
- Onboard security for small network appliances & IoT devices
- Full security processing on-premises or in the cloud

Intelligent Edge Optimization

- Secure, WAN-optimized connectivity for every location
- Seamless scalability
- Optimal predictive routing technology
- Manage one or many appliances from ETM Dashboard

Cloud Management at Scale

- Zero touch deployment
- Configure & push policies
- Advanced alerting & reporting
- Visibility across globally dispersed networks & endpoints

Edge Threat Management

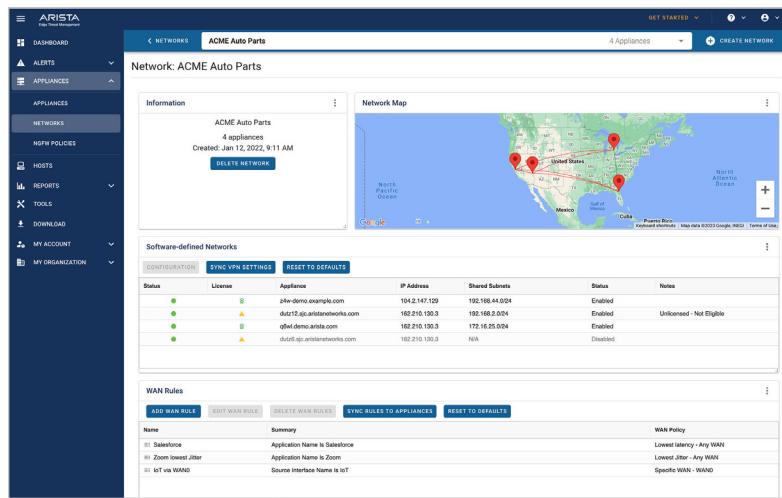
Bring Cloud-managed Security & Connectivity to the Network Edge

The way we work is evolving. Businesses have adapted to new cloud-based technologies and applications that have increased employee efficiency and provided a scalable pathway to continued business growth. Work teams, now comprised of employees working in headquarter offices, remotely, or branch offices, have become spread across increasingly large distances. While businesses realize a range of important benefits in this transformative era, managing these dispersed networks and their connected devices can bring new challenges of cost, complexity, and control.

NG Firewall's Mobile Policy Enforcement can help. Using Xauth over IPsec, WireGuard® VPN, or OpenVPN, it's simple for schools and businesses to provide secure remote access from all major operating systems (Windows, Mac, iOS and Android), from the phone to the desktop. Regardless of where the device is located, it will get all the benefits from the same policies and protections as users behind an NG Firewall appliance on the local network.

The flexibility of the built-in WireGuard® VPN protocol provides fast and reliable site-to-site VPN connectivity for a variety of use cases including dynamic IP addressing, NAT, LTE, PPPoE, multi-WAN, and more. Using a simple copy and paste method between gateways, setting up VPN tunnels is effortless. For interconnecting third party gateways, NG Firewall supports IPsec and IKEv2 as well as OpenVPN.

For distributed networks, the Edge Threat Management Dashboard provides a simple point and click capability to automatically configure a mesh VPN network with your designated NG Firewall appliances.



Managed Service Providers

Use ETM Dashboard to seamlessly manage multiple NG Firewall deployments remotely through a single pane of glass for simplified security orchestration.

Contact our sales team to learn more about how Arista Edge Threat Management can benefit your organization.

NG Firewall Apps

The NG Firewall platform is powered by security applications that work seamlessly together to give you everything you need to protect, monitor and control network traffic. Our browser-based, responsive and intuitive interface enables you to quickly and easily add apps and apply rules within minutes.

Application	Description
Protect	
 Firewall [†]	Safeguard your network from the Internet, providing control by IP address, protocol and port.
 Threat Prevention	Block access to web and application content based on an analysis of the IP Address's reputation.
 Intrusion Prevention [†]	Stop exploits before they enter the network.
 Phish Blocker [†]	Protect unsuspecting, click-happy users from identity theft attempts.
 Virus Blocker*	Block viruses at the gateway before they reach the computer by leveraging signatures from Bitdefender™.
Filter	
 Ad Blocker [†]	Eliminate ad and cookie tracking, while improving webpage load times.
 Application Control*	Control access to applications, which can be productivity drains and bandwidth hogs.
 Spam Blocker*	Block 99.5% of all spam.
 SSL Inspector	Decrypt, scan and re-encrypt HTTPS and SMTP traffic on the fly.
 Web Filter*	Block inappropriate content at the gateway before it reaches users.
Perform	
 Bandwidth Control	Manage the priority of business-critical, recreational and inappropriate traffic.
 WAN Balancer	Distribute Internet traffic to optimize QoS over two or more connections.
 WAN Failover	Reroute traffic automatically when one Internet connection fails.
 Web Cache	Streamline and accelerate the Internet browsing experience.
Connect	
 Captive Portal [†]	Easily manage Wi-Fi and guest access to the Internet.
 IPsec VPN	Securely connect multiple sites.
 OpenVPN [†]	Enable site-to-site and client-to-site connections.
 Tunnel VPN [†]	Provide connectivity through encrypted tunnels to remote VPN servers and services.
 WireGuard VPN	Build secure, fast, and cutting-edge connections between sites and to remote users.
Manage	
 Directory Connector	Use Microsoft Active Directory or RADIUS to power policy management.
 Policy Manager	Define and manage network privileges based on usernames, groups, time, day or protocol.
 Reports [†]	Drill down into any app or across apps by user, group, time and more.
Add-Ons	
 Branding Manager	Personalize user-facing screens to add company logo, name and contact information.
 Live Support	Receive US-based technical support online and via phone.

*These applications also have a free version. [†]These applications are included with the NG Firewall platform at no cost.
Bitdefender is a trademark of Bitdefender and used under license.

Appliances for NG Firewall

Plug-and-play appliances make deployment easy and seamless. Every appliance is guaranteed to work with NG Firewall software. There is an appliance to fit your needs regardless of the size of your organization. Choose from quiet, small-footprint, desktop models all the way up to 1U rackmount servers for the datacenter.



	Q4	Q8 / Q8W	Q12	Q20
Recommended Users	10 – 50	25 – 75	100 – 500	500 – 3000
Recommended Devices	Up to 150	Up to 250	Up to 1500	3000+
Processor	Quad Core Intel Atom X6413E	Quad Core Intel Atom C3558	Quad Core Intel Xeon E3-1225 v5	Six Core Intel Xeon E-2176G
RAM	8GB DDR4	8GB DDR4	16GB DDR4	32GB DDR4
Storage	128 GB eMMC	128 GB SATA DOM	512 GB NVMe SSD	512 GB NVMe SSD
Interfaces	4x GbE	4x GbE / 2x SFP+ / 2x PoE+	8x GbE / 4x SFP	17x GbE / 4x SFP+
USB Ports	2	2	2	2
Wireless	–	802.11 b/g/n/ac (Q8W)	–	–
External Antennas	–	2 (Q8W)	–	–
Built-in LCD	No	No	Yes	Yes
Console	RJ45 (serial)	Mini USB and RJ45 (Serial)	HDMI	HDMI and RJ45 (Serial)
Dimensions (w x d x h)	6.7" x 5.5" x 1.3" (170 x 140 x 34mm)	9.8" x 9.9" x 1.7" (250 x 252 x 44mm)	17.2" x 16.9" x 1.7" (438 x 430 x 44mm)	17.2" x 21.8" x 1.7" (438 x 553 x 44mm)
Unit Weight (lbs)	2	4	14	21
Shipping Weight (lbs)	3	8	23	32
Form Factor	Fanless Desktop	Desktop, Rack Mount Option	1U Rackmount	1U Rackmount
Firewall Throughput ¹	940 Mbps	9.4 Gbps	950 Mbps	9.4 Gbps
NGFW Throughput ²	850 Mbps	870 Mbps	950 Mbps	2 Gbps
Operating Temperature	32° – 104°F (0° – 40°C)	32° – 104°F (0° – 40°C)	32° – 104°F (0° – 40°C)	32° – 104°F (0° – 40°C)
Relative Humidity	0% - 90%	20% - 90%	20% - 90%	20% - 90%
Power Source	12V 36W Power Adapter	12V 60W Power Adapter 54V 65W Power Adapter (PoE+)	250 Watt PSU	Redundant 300 Watt PSU

For shipping destinations outside of the United States, please visit edge.arista.com or contact sales.

¹ Throughput numbers are based on a single LAN to a single WAN transmission in one direction using IPerf with UDP packet size 1500.

² NGFW throughput is measured with Application Control, IPS, Web Filter, Virus Blocker and Reports.

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