E-Rate Solution Brief

Arista Networks Category 2 E-Rate Broadband Products

In compliance with the 2024-2025 FCC E-rate Program guidelines, Arista Networks designs, manufactures and sells broadband Ethernet switches, Wi-Fi access points, Edge Threat Management, optics and cables. Arista offers over 100 products that are E-rate eligible. These products are designed for use in medium to large classrooms, wiring closets, and public library infrastructures, with a focus on minimizing the total cost of ownership over 3 and 5 year project lifecycles.

For a full list of eligible E-rate products click here: https://erateproviderservices.com/arista-home/product-eligibility

Enterprise class Wi-Fi access points (form 470)

- Arista offers a broad range of indoor and outdoor access points including the latest in wireless technology, Wi-Fi 7, providing reliable and high performing wireless connectivity for users. Advanced features include:

  › Zero-touch deployment for plug and play provisioning

  › Multifunction radios for non disruptive to provide critical functions to monitor, manage and protect the network

  › Continuously monitored data sources using multifunction radios including client locationing information, packet capture analysis, client simulation/network assurance testing

  › RRM scanning, rogue access point detection, and spectrum analysis

    https://www.arista.com/en/products/cloudvision-cue/ap-platforms

- 710P Compact PoE Switches – These switches are ideal for classrooms, auditoriums and library rooms. Specifically, any non-wiring closet locations with surface mounts and fanless (quiet) requirements. These switches range from 12 to 16 ports, and are fully manageable, with all of the same feature capabilities as Arista wiring closet class switches. Port speeds range from 10 mbps to 10 gbps.

    https://www.arista.com/assets/data/pdf/Datasheets/CCS-710P-Datasheet.pdf

- 720 XP PoE Switches – These switches form the core network for most school and public library buildings offering wired connectivity for Wi-Fi access points, IoT controllers, desktops, printers and IP phones. These switches support the latest PoE standards (802.3 af/at/bt), with up to 90W per RJ45 port. Other features include access control, traffic control, dynamic load balancing, N+1 redundancy, and real time telemetry. Ports speeds range from 10 mbps to 100 gbps, with models ranging from 24 to 96 ports.

    https://www.arista.com/assets/data/pdf/Datasheets/CCS-720XP-Datasheet.pdf

- 7050X3 Series Two-Tier Topology Switches – These switches are commonly used when there are larger topologies and there is a need to aggregate the 720 switches together for better scalability and redundancy. As power within schools are limited these switches consume less than 7 watts per port across their 100 gbps interfaces. These switches are available in 24, 32 and 48 port form factors with port speed options ranging from 1 gbps to 100 gbps.

    https://www.arista.com/assets/data/pdf/Datasheets/7050X3-Datasheet.pdf

- Edge Threat Management – Arista offers two cost effective, easy to manage, scalable form factors for connecting and securing schools to the Internet including the NG Firewall, and Micro Edge appliances. Micro Edge provides secure branch connectivity, optimizes existing internet infrastructure, and prioritizes business critical applications to maximize employee productivity.

    https://edge.arista.com/ng-firewall/resources/datasheets/

Arista Benefits

Arista E-rate broadband category-2 products offer enterprise class features without the design, deployment and operation complexities that many schools struggle with. Arista switches leverage the same operating system across all switch form factors. Arista's Wi-Fi access points are based upon a patented distributed control plane which eliminates a number of controller based shortcomings.

The two software underpinnings that offer these benefits include EOS® Arista's (Extensible Operating System) which has the lowest software defect rate amongst all of Arista competitors, and CloudVision®, which provides unified operations management wired and wireless infrastructure wide, and is available as either cloud or on premises based.

Cybersecurity Pilot Program (form 484)

Arista is participating in the Cybersecurity Pilot Program as Arista offers several zero trust security products. These products can be integrated with Arista's PoE switches and Wi-Fi access points, and/or can be deployed within 3rd party wired and wireless switches.

School districts and libraries can work directly with Arista, and Arista authorized resellers in submitting the 484 form where the FCC will review and provide funding. These products include the following below:


Arista Guardian for Network Identity (AGNI™) – This platform offers cloud driven, endpoint identity and network access control (NAC). It protects access against any unauthorized endpoint.

Arista Network Detection and Response (NDR) – This platform integrates tightly with Arista's patented Awake sensors, both switch and appliance based, and leverages machine learning, speech recognition and AI for advanced threat detection and mitigation.

Arista Advanced Wireless Intrusion Prevention Systems (WIPS) – This is an embedded capability within Arista's Wi-Fi access points, and leverages Arista's multi-radio architecture for non disruptive, continuous monitoring and detection.

Contact Arista resellers and or Arista sales (info@arista.com) for assistance in responding to the 484 form.
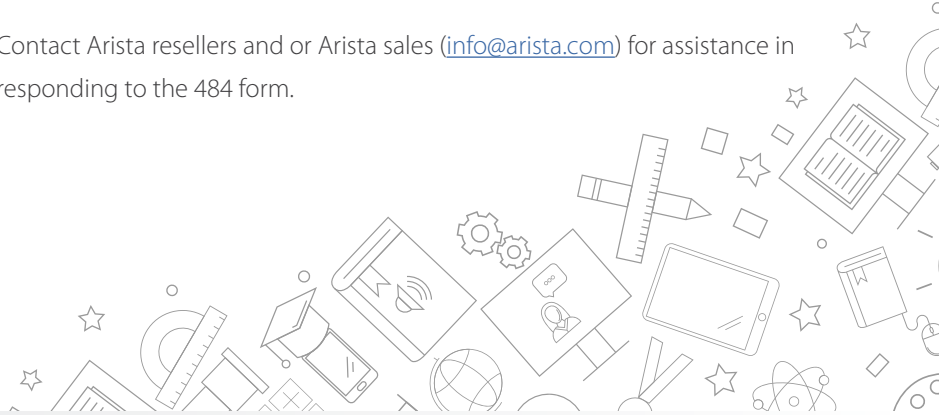
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