HP Aruba Networks Solutions for E-rate 2.0

No matter what your evaluation criteria are, HP Aruba Networks delivers!

A complete portfolio of networking solutions for schools and libraries

The E-rate program is making a strategic investment in the future of our nation by upgrading the networks of our schools and libraries to enable 21st century digital learning opportunities and robust connectivity. Whether delivered onsite or as part of a managed service, HP Aruba Networks offers complete and reliable solutions with low total cost of ownership (TCO), making the most of every E-rate dollar.

Aruba Networks covers all your networking needs

Wireless solutions
A main goal of E-rate 2.0 is to close the Wi-Fi gap, and today's students represent the new mobile generation known as #GenMobile. They're tech-savvy, always connected, and use their mobile devices to play, read, research, stay organized, and stay connected. These students must be better prepared for higher education and future careers.

Based on the 802.11ac standard, Aruba access points (APs) deliver secure Wi-Fi client access to a variety of indoor and outdoor enterprise wireless LAN (WLAN) environments. These versatile, high-performance APs can be centrally managed by Aruba Mobility Controllers or deployed as controllerless Aruba Instant APs that are managed in the cloud.

Controller-based campus APs
When managed by Aruba Mobility Controllers, traffic from Aruba APs is centralized to simplify configuration, improve data encryption, provide fine-grained policy enforcement, and deliver other vital network services.

Virtual controlled and cloud-managed APs
Instant APs are great because in controllerless Aruba Instant mode, a dynamically elected AP automatically distributes the network configuration to other Instant APs in the WLAN. Users can simply power up one Instant AP, configure it over the air, and plug in the other APs—a process that takes only about five minutes.

Wired solutions
Switching
HP Networking solutions help improve student classroom performance and ease the teaching burden while reducing network complexity, risk, and cost. We simplify the network. The energy-conscious HP FlexNetwork architecture simplifies and flattens the network, increasing performance and reducing latency.

Data center
There's no need to rip and replace for 10G/40G backbone performance. Higher-speed WLANs require a wired infrastructure with the bandwidth to support ever-growing wireless performance. You can add an HP 10G/40G "overlay" to an existing non-HP network, or take advantage of the modularity designed into HP FlexNetwork products. Improving your network's backbone will help ensure that investments made in wireless computing will meet classroom connectivity needs.

HP Intelligent Management Center (IMC) single-pane-of-glass management provides a modular, customizable single control point for HP and multivendor legacy wired and wireless networks.

A leader in technology innovation
A networking technology innovator for over 40 years, HP continues to pioneer customer-centric solutions, including software-defined networking (SDN), bring your own device (BYOD), and virtualization.

Optimized digital classrooms deliver:
• Student-centric learning
• Improved student performance
• Uninterrupted 1:1 mobility
• Policy-based network access for students, teachers, and guests
• Prioritization of learning apps and online testing
• Improved student outcomes

Cypress Fairbanks Independent School District case study
Learn how Cypress Fairbanks Independent School District, the third largest K-12 district in Texas, prepares for 21st century learning with Aruba Networks Gigabit Wireless Network using Aruba 802.11ac and ClearPass solutions across 80+ schools to connect more than half a million devices.

To learn more, visit Aruba at arubanetworks.com/resources/#wpcf-type=1.

E-rate eligibility support
Rest assured, your HP reseller is well equipped with support from HP when proposing an E-rate solution. Our resellers get dedicated assistance from HP personnel for needs such as E-rate eligibility of our products, cost-allocation information, global service substitution letters, and special needs as they arise.

Lifetime Warranty 2.0

To help ensure that your students and faculty receive a consistently outstanding experience, the HP industry-leading lifetime warranty includes repair or replacement of hardware for as long as you own the product, with next-business-day advance replacement. It provides free software updates and bug fixes for as long as you own the product, and 7x24x365 help desk support for the first three years, followed by 8x5 help desk support Monday–Friday thereafter.

Key points:
- Is included in the purchase price of the majority of HP wireless and wired edge products
- Includes next-business-day advance hardware replacement
- Provides 24x7 phone support for 3 years
- Includes fans, power supplies, and all features and functionality on the switch

hp.com/networking/warranty

South Washington Schools SDN case study

See how South Washington County Schools supports exponential mobile growth while boosting security with an HP Software-defined Networking solution.

http://www8.hp.com/h20195/V2/GetDocument.aspx?docname=4AA5-6076ENW&cc=us&lc=en

E-rate funding get denied?

With flexible financing from HP Financial Services, setting up your school with today's best technology has never been easier or more affordable.

hp.com/hpfinancialservices

Los Angeles USD case study

Los Angeles USD uses ClearPass to secure district-wide Wi-Fi

After announcing a one-to-one computing initiative for its over 650,000 K-12 students, LAUSD selected Aruba solutions to help unify, manage, and secure its multivendor Wi-Fi infrastructure.

Benefits of Clear Pass implementation by LAUSD

- Supports a secure enterprise Wi-Fi network with 84,000 multivendor APs for millions of district-issued and BYOD-allowed endpoints

- Enables 21st century teaching and learning, including meeting Common Core requirements

- Includes secure, vendor-agnostic Aruba ClearPass Access Management System for centralized, comprehensive policy establishment and enforcement

- Provides industry-leading mobile device management (MDM) integration

- Utilizes vendor-agnostic Aruba AirWave Network Management for centralized, granular visibility that improves wireless performance

To learn more, visit arubanetworks.com/resources/#wpcf-type=1&wpcf-verticals=2

Note: Not all solutions referenced above are E-rate eligible. HP is not a direct E-rate service provider. Please use the SPIN of your HP partner reseller.

HP Networking innovations help reduce your costs and increase your capability

While managed services may be the right solution for your school or library, HP Networking innovations help reduce the cost and management burden of managing a network.

Management

Aruba AirWave offers the end-to-end clarity and control over mobile users on multivendor, multisite networks. It includes user location and mapping capabilities, real-time monitoring, proactive alerts, historical reporting, and troubleshooting.

Aruba Central is a cloud-based software-as-a-service subscription that simplifies the management of Aruba Instant WLANs. It offers remote monitoring and troubleshooting, centralized configuration and firmware management, compliance reporting, and zero-touch provisioning.

Software-defined networking changes the game for schools

Wireless technology has extended the edge of the network beyond the confines of the school, and with the adoption of cloud-managed data, student data can reside outside of the school network. Management and control have become increasingly complex. Software-defined networking (SDN) provisions and manages networks automatically based upon what the network applications request.

HP Network Protector optimizes traffic for online testing vs. other Web traffic. It enables automated network posture assessment and real-time security across OpenFlow-enabled devices, effectively turning the entire network infrastructure into security-enforcement devices, providing unprecedented visibility and threat protection against more than 1 million botnets, malware, and spyware through the use of HP TippingPoint RepDV Labs database. There is no need for dedicated appliances.

With E-rate funding phasing out for voice services, schools and libraries need a cost-effective equivalent. The Network Optimizer for Lync app enables automated provisioning of network policy and quality of service to provide an enhanced user experience. This app reduces the need for manual, device-by-device configuration, reducing the potential for human error.

Learn more at hp.com/sdn.

Virtual solutions

HP Virtual Connect: The industry's leading blade interconnect is 100 percent E-rate eligible. With its wire-once server connectivity, HP Virtual Connect has saved enough cable to circle the world 1.5 times over!

HP virtual switches: These switches accelerate and secure virtual access—are 100 percent E-rate eligible—and are also suitable for VMware environments.

HP virtual routers: With software that provides robust routing between networked devices—and are 100 percent E-rate eligible.

HP provides solution paths to assure that your needs are met

HP understands the significant effort that administrators and IT leaders are putting into digital classrooms, preparedness for college and career standards and assessments, and bring-your-own-device (BYOD) environments. HP solutions tackle these challenges head on.

Security
ClearPass
ClearPass policy management capabilities secure tens of thousands of users, devices, and applications from one integrated platform. ClearPass enables network access policies to be centrally managed and offers the strong authentication required for today's mobile workforce.

A picture is a worth a thousand words: HP/Aruba is the visionary leader in the 2015 Gartner MQ for Wired and WLAN Access Infrastructure.

Today more than ever, you need to meet the exploding demand for connectivity in a way that is not only sustainable, secure, and manageable, but can also deliver a better user experience. You need connectivity solutions for 802.11n and 802.11ac Wave 1 as well as a migration path and roadmap for 802.11ac Wave 2. Learn why your network no longer has to hold you back from realizing the full benefits of mobility and the cloud.

Read why Gartner positioned HP and Aruba as a leader in its 2015 Wired and WLAN Access Infrastructure Magic Quadrant Report* and how your business can move toward the new digital workplace with speed, security, and simplicity at the forefront.

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ClearPass integrates every critical aspect of BYOD—policy management, self-service device onboarding and guest network access, and comprehensive device health checks—into one integrated platform that can be deployed with a range of network infrastructures.

HP next-generation firewall
Protect mobile, cloud, and data-sharing interactions without impairing network performance as you improve your security posture and harden network defenses.

Learn more at http://www8.hp.com/us/en/software-solutions/ngfw-next-generation-firewall/index.html?&jumpid=ex_r11374_us/en/large/eb/go_ngfw#!&tab=TAB1.

Be prepared to track the physical location of your equipment for the next 10 years
With Network Asset Manager, administrators and operators can track assets as well as changes to assets. This feature provides operators with a list of asset and drilldown capabilities into individual device details or device audit details. Operators can also query IMC for specific audit records and manage the device auditing process.

1:1, digital assessment, and SDN white paper for K-12
HP's best practices guide for 1:1 and digital assessments has been designed to guide K-12 technology departments in the design and deployment of one-to-one initiatives to avoid the most common and costly problems. With careful planning and design, one-to-one initiatives can also provide the infrastructure for BYOD and standardized electronic testing requirements with little or no additional expenditure.

Download the best practices guide at hp.com/networking/wp-commoncore.

HP Classroom Manager
HP Classroom Manager turns the network into a teaching tool, so teachers can monitor student activity and progress; create interactive lesson plans with shared content; administer real-time quizzes, tests, or surveys; and view student progress. With HP Classroom Manager, students find it easy to:

• Be creative and collaborative, and apply critical thinking skills

• Access class materials, quizzes, and presentations

• Ask for teacher assistance without disturbing the class

Learn more at hp.com/go/hpclassroommanager.

Want to learn more?

Call your HP representative or email Nancy Schwarz at nancy.schwarz@hpe.com.

* 2015 Gartner Magic Quadrant Report for Wired and WLAN Access Infrastructure, September 4, 2015

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