



Wireless for Schools: Empower Students, Gain Efficiencies



With backpacks filled with smartphones, gaming devices as well as tablet and laptop computers, today's student body depends on wireless connectivity. This world without wires is rich with opportunities. At school, it means that on-the-go students, teachers, and administrators connect to information in real time, interact with one another using a variety of communication devices, and extend the learning environment beyond the classroom to virtually every corner of campus. However, this new freedom makes new demands on school networks, which must adapt to accommodate this unprecedented influx of users, devices, and applications—all for the betterment of education.

New Demands, Novel Solutions

Although the deluge of users, devices, and applications comes at a time when ongoing budget cuts and overloaded IT resources are already causing strain, school districts remain steadfast in meeting their goals. By turning to Cisco® Mobility and Wireless Solutions, schools are taking advantage of the investment made in wired networking, while transforming their existing infrastructure into a secure, versatile environment that promotes the success of a new generation of learners by realizing all their connectivity needs.

By deploying Cisco Mobility and Wireless Solutions for Schools on a Unified Access Network, your district can bring the network to locations where traditional wired connections cannot reach—and do it easily and cost-effectively. These flexible solutions allow you to:

- Give students, teachers, and administrators highly secure access to network resources—anytime, anywhere, and with any device
- Simplify policy and network management, which can otherwise be overwhelming as districts grow and adjust to shifting student populations

Cisco Mobility and Wireless Solutions for Schools give students and staff the freedom to be anywhere on campus and still perform all the tasks they would normally do on a classroom's wired network. The solutions enable new network connections to laptops, smartphones, printers, cameras, interactive whiteboards, and other devices, making school resources more widely available and improving collaboration among students, teachers, parents, and administrators.

Questions to Consider

- How can you address the proliferation of mobile devices and applications on your network?
- How can you determine and control who, what, when, where, and how users and devices access your network?
- How can you monitor users and devices regardless of how they connect or where they are located on your network?
- How can you ensure a consistent, reliable user experience no matter how, when, or where they connect to your network?
- How can you support a broad set of use cases while having the peace of mind that your network will scale easily and affordably in response to demand?

Overview of Cisco Mobility and Wireless Solutions for Schools

Cisco Mobility and Wireless Solutions for Schools are flexible and support many of your initiatives, including new or temporary classrooms, outdoor solutions in common areas, and administrative office support for wireless applications like student monitoring. Cisco Mobility and Wireless Solutions for Schools include:

- Hotspot wireless solutions: Deploy hotspot wireless quickly and easily in small areas like libraries or main offices, allowing administrators to take advantage of wireless applications and giving students access to the web and other learning tools. By setting up a WLAN with robust security, you can grant selective web access to students and help ensure they use the Internet only for productive purposes. You can also help ensure cyber security to keep your students safe. Meanwhile, administrators and teachers can access internal administrative tools and enjoy full privileges on the same wireless network.
- Wireless bridging solutions: Connect remote sites to the LAN regardless of physical obstacles such as lakes or highways by using wireless bridges—a quick and cost-effective solution that eliminates costly wire runs. Using wireless bridges, you can avoid leased-line fees and extend a high-bandwidth network to temporary classrooms, maintenance buildings, and even athletic facilities.
- Schoolwide wireless solutions: Offer a complete wireless umbrella for students, teachers, and faculty to have access to tools and resources anywhere on campus. Provide the foundation for programs such as one-to-one computing, schoolwide video solutions, and applications like wireless bells, speakers, and clocks. Essentially, all applications or services that require a network connection can now run without wires.



With Wireless, Opportunities Are Limitless

With Cisco Mobility and Wireless Solutions for Schools, you can bring your IP network to more users throughout your district and give them greater mobility, flexibility, and convenience. Here are just a few examples:

- Deploy new teaching tools and enable a completely wireless classroom in which students and teachers can use laptops and handheld tablets for curriculum and instruction
- Allow teachers to manage grades, homework, and other information from anywhere on campus
- Enable distance-learning environments, whereby students can attend classes at schools around the world—just by using their laptop and a connected portable video camera
- Expose students to an enhanced curriculum, as wireless allows access to educational materials anywhere on campus
- Facilitate collaboration among teachers and administrators through integrated IP voice services, which enable phone services anywhere on campus (from a wireless IP phone)
- Support any wireless device, which can assist in teaching and evaluation, tracking student location, and identifying unknown persons on campus
- Increase physical safety for students and faculty by deploying wireless surveillance cameras anywhere in a school or district, especially in areas where wires are difficult to install, such as gyms or athletic fields

“The wireless network gives our teachers the ability to easily rearrange their teaching space and equipment to create the most optimal learning environment for their students.”

—Myron Bryant, Assistant Director of Network Services at Orange County Public Schools

For the full story, visit: http://www.cisco.com/en/US/prod/collateral/wireless/ps5678/ps6973/case_study_c36-574983.pdf

Why Cisco?

Cisco has a proven heritage of leadership and innovation in wireless networking, as a market share and innovation leader for 10+ years (largest WLAN patent portfolio in the industry), 77% of Fortune 1000 have installed Cisco 802.11n, and 93% of Fortune 1000 use Cisco WLAN.

Cisco Capital financing is uniquely positioned to assist our education customers. By creating innovative, flexible financing, Cisco Capital bridges the gap between education technology requirements, and budget availability, to assist in obtaining the products and services that schools need today.

For more information, please visit: <http://www.cisco.com/web/ordering/ciscocapital/cf/na/goved.html>

Moreover, Cisco is recognized throughout schools worldwide for its:

- Leadership in LAN, WLAN, and VPN technology, offering unique expertise in delivering a unified access network that cost effectively and easily scales
- End-to-end network architecture, with layers of built-in, airtight security, extending from the wired to the wireless network
- Breadth and depth of the Cisco product line that can adapt and accommodate to more use cases than any other portfolio in the industry
- Global community of trained and certified partners
- Renowned service and support





Get Connected Today

Cisco will work with you to transform your school campus into a dynamic instructional environment that empowers students, faculty, and staff to stay continuously connected to vital resources. For more information about how to elevate the academic experience through mobility, call a Cisco representative or Cisco Certified Partner, or visit:

<http://www.cisco.com/go/education>



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