The Enterasys Wireless Networks for Connected Learning is a three-part offering that provides a cost-effective way to bring cutting-edge technology to educational settings.

Seamless, Wireless Data Communications for Educational Institutions

With fierce competition for student recruitment and retention, stakeholders clamoring for unlimited information accessibility, and governing boards tightening budgets, educational institutions are struggling to strike a balance between differentiation and cost efficiency. As a result, senior administrators are wondering if the wireless LAN is a viable, affordable solution for their environments and IT managers are more motivated than ever to explore the possibilities. Wireless LAN technology is poised to deliver measurable benefits when deployed in educational settings. For example, it creates a competitive advantage by positioning an institution as a technology leader, while providing students the freedom to be productive virtually anywhere. Moreover, it affords such cost-saving capabilities as the ability to forge immediately productive temporary networked areas and the ability to enable communication and automation in historic buildings where cabling is impractical or too expensive.
The Enterasys Wireless Advantage
The Enterasys Wireless Network for Connected Learning Solution provides seamless, wireless data communications in education campus environments, making access to information possible despite old architecture, budget constraints, and roving users. Based on campus requirements, three options—which can be used independently or together—are available, and all three include Enterasys’ leading global services offerings.

The options include:
• Indoor Solution
• Outdoor Point-to-Point Solution
• Outdoor Point-to-Multipoint Solution

Indoor Solution
The Indoor Solution is made up of Access Points and Radio Cards that allow wireless-enabled lap-tops (and compatible products) to seamlessly integrate into a network. Such a solution is ideal for dormitory settings, as well as, in the classroom, cafeteria, library, and all across the campus for mobile users.

Feature and Benefits
At a Glance
• A mature and award-winning technology from a new, innovative company
• A competitive advantage in attracting and retaining students and faculty
• Networked solutions specially tailored for enterprise-level computing environments
• Complete project management including site analysis, installation, and availability services
• Increased productivity, investment protection, reduced installation costs, and end-to-end security

Master’s College in California wanted to ensure student network access anywhere on campus, including dorms and old buildings. Enterasys installed a complete port-per-pillow, Point-to-Multipoint solution for wireless network access across the campus for the same amount it would have cost just to hard wire the dorms.
Outdoor Point-to-Point Solution
The Outdoor Point-to-Point Solution is made up of Access Points connected to a line-of-sight antenna that signals to the same configuration at the end point location. The antenna serves the need for redundancy, and eliminates the need for costly aerial cable or fiber optics for a campus backbone.

Outdoor Point-to-Multipoint Solution
The Outdoor Point-to-Multipoint Solution is made up of Access Points connected to one omni-directional (360 degree) antenna and at least one line-of-sight antenna. The line-of-sight antenna on each of the individual locations points to the omni-directional antenna, providing network access for all buildings.

Increase productivity
Without hard-wiring concerns, an institution can afford user access from anywhere, at any time of day or night, and accommodate quick, easy set up of such temporary networked areas as registration stations. This ability to provide ubiquitous access in a broad range of settings affords you limitless possibilities to increase productivity in almost every facet of institutional life.
Universities with wireless access report that connections are about 200 times faster than typical modems.

Protect Existing Investments
The solutions’ adherence to the IEEE 802.22b standard ensures greater wireless extension and seamless interoperability with existing wire-based equipment. This adds value to your current hardware and software investments, while ensuring integration with future technologies.

Reduce Installation Costs
With power injection that eliminates the need for AC wiring and plug-and-play Access Points supporting up to 250 users that can be easily moved to accommodate immediate network requirements, Enterasys’ wireless solutions afford a level of flexibility unimagined with wired networks. And, this flexibility virtually eliminates your need for electrical wiring and installation, which keeps your budget firmly in check.

Ensure Secure Transmission
Each solution includes 40-bit wired equivalent privacy (WEP) and offers an optional 128 bits of protection for those users seeking the highest level of security available in the wireless marketplace. These features deliver access to cutting-edge wireless technology without forcing you to sacrifice on the data integrity and security you enjoy with wired networks.