

## High School Classrooms Go Wireless

### Suburban Chicago High Schools Beam Information to Students and Teachers Via Handheld Devices

**Enterprise:**

Consolidated High School District 230 in Orland Park, Illinois

**Industry:** Education

**Challenge:** Provide wireless technology to all students, allowing them to work together to complete classroom projects and homework assignments.

**Application:** Clarinet Systems' EthIR STAR™ wireless connectivity device, the EthIR Beam® access point and ES 208 Multiport Switch allows students and teachers to access the school's network via the built-in infrared (IR) ports on Palm Pilots. Clarinet Systems' technology eliminated the need for cradles, docking stations, serial cables and local PCs so that the students and teachers could access the information when they needed it and when they wanted it, allowing them to download their homework and other crucial information any time, any place.

Educational institutions are extremely mobile environments. Students, faculty and administrators alike are constantly on the go, moving from class to class exchanging information. The high school students and teachers in Orland Park, Illinois needed a way to access real-time information about their classroom curriculum, school events, after school sports and even test scores anytime, anywhere. It was important to be able to beam student homework assignments to be worked on at night as well as for the technology to work interactively in the classroom. After much research, it was determined that handheld computers' wireless capabilities would allow the students and faculty to access the information they needed and improve the learning environment on campus.

However, providing Palm handheld computers to teachers and students was only half of the solution. To achieve success, there had to be a more cost-effective and viable way to provide students with wireless access to information while in the classroom. Clarinet Systems provided the infrared technology they needed to achieve that goal.

Clarinet Systems' technology eliminated the need for cradles, docking stations, serial cables and local PCs so that the students and teachers could access the information needed whenever they wanted. With the ES 208 Multiport Switch from Clarinet Systems, each student simply points his or her Palm handheld at the EthIR Beam® access point and he/she will immediately and securely connect to the school's network.

Thus, Consolidated High School District 230 in Orland Park, Illinois became the first in the nation to beam educational information to its students and teachers using Clarinet Systems EthIR STAR infrared technology and Palm handheld devices.

Clarinet Systems created a mobile learning environment in the High School classrooms of Orland Park. The program allowed educators to take advantage of the benefits of handheld computing and wireless connectivity at the high schools and ultimately help enrich the learning experience of students. Clarinet Systems' technology facilitates a positive user experience and allowed the schools to efficiently provide students, faculty and administrators the information they need to do their work. The deployment of Palm handheld computers and Clarinet Systems wireless products on the Orland Park High School campuses gave the students and teachers the ability to experience the freedom and productivity of mobile handheld computing.