AirPort and Education

Features

Wireless Internet access
- Provides Internet access anywhere in the classroom without wires*
- Lets you share a single Internet connection among many computers simultaneously
- Provides password protection and encryption capabilities to ensure security for your data and communications

Outstanding performance
- Wireless Internet access at Ethernet speed in the classroom
- High-speed, 11-megabit-per-second wireless data rate
- 150-foot typical range, even through walls
- Based on IEEE 802.11 2.4-gigahertz DSSS standard for maximum compatibility with existing equipment

Elegantly simple setup and ease of use
- Customer installable
- Setup assistant gets you on the Internet in minutes
- File sharing and file transfer without floppy disks or cables
- Fully integrated software and hardware solution
- No external parts to break or lose

*Requires an account with an Internet service provider.

Now there's a simple, affordable way to bring the Internet to every desk in the classroom—with no fuss, and even better, no cables.

Instead of using traditional cabling to create a network, Apple's new AirPort solution uses 11-megabit-per-second wireless local area network (LAN) technology to provide efficient, reliable wireless communication between multiple iBook computers and the Internet. Students can move about the classroom freely with their computers. And learning takes place wherever it needs to, not just where the computer cable is located.

AirPort allows computers to communicate with one another up to 150 feet away—even through walls—so your wireless network can extend across several classrooms. AirPort also gives you high-speed file sharing, which means you can quickly move or share files between iBook computers to facilitate seamless collaboration within the classroom.

A complete solution
AirPort delivers all of the components you need to set up your wireless network in minutes:

- AirPort card—a card about the size of a credit card that fits easily into a conveniently located slot in an iBook computer, plus all the software you need to set up and operate an AirPort wireless network.

- AirPort access point—a small device similar to the base station of a cordless telephone that plugs into your Ethernet network, telephone outlet, cable modem, or DSL modem. It receives web pages and e-mail from the Internet and sends them to your iBook computer without wires.

And, of course, AirPort is a fully integrated hardware and software solution from Apple, designed to work seamlessly with iBook computers. Unlike other computers that rely on radio cards and antennas attached to the outside of the computer, iBook has a built-in antenna, and the AirPort card fits completely inside the computer—so you don't have to worry about external components breaking or disappearing. And because AirPort is based on industry standards, it can also be used in a cross-platform environment—the ideal solution for classrooms with different types of computers.

iBook computers and AirPort create a learning environment in which students have the appropriate tools to gather data, access the Internet, express their thoughts, communicate with one another, and collaborate on solving problems.

Classroom integration

AirPort wireless networking offers educational institutions exceptional opportunities for increasing communication and collaboration. Not only does AirPort remove the constraints of having to locate computers in specific areas chosen by the network administrator, it enables educators to creatively integrate technology into their curriculum. Consider these possibilities:

- *Ethernet alternative*. When it comes to networking, one of the greatest challenges facing schools is existing facilities. Many schools must address asbestos issues, inflexible wiring configurations, or architectural details that need to be protected. In these cases, AirPort eliminates the need to run Ethernet cabling into every classroom. Simply by locating an access point in a lab or hallway near a classroom, you can provide wireless networking to iBook computers throughout the school.

- *Ethernet supplement*. AirPort also provides an effective solution for classrooms with Ethernet drops that may be poorly situated for instructional use. Instead of running more Ethernet cable in the room, educators can simply place an AirPort access point near existing Ethernet cable and a power outlet to extend the Ethernet network. Then students using iBook computers can collaborate more easily on projects, because they can move easily about the classroom without having to disconnect and reconnect cables.

- *Mobile lab*. It's easier to incorporate computers into daily learning when teachers have access to mobile carts with portable computers. A mobile cart that is equipped with a printer, charging station, and portable computers can easily be wheeled from room to room so students can use computers at their own desks regularly during the day. Wireless networking also makes classroom operation more efficient by eliminating the need to plug cables into each student's computer.

- *Campuswide wireless Internet access*. AirPort gives students, faculty, and administrators unmatched access to intranets and the Internet throughout the campus. With wireless installed as part of the network infrastructure, you can provide Internet access in lecture halls, classrooms, libraries, student unions, dormitories—even outdoor quadrangles.

Only Apple makes wireless networking this powerful—and this simple. From integrated modules to seamless software, AirPort not only gives students the freedom to work and play anywhere on campus, but offers new ways to increase communication and collaboration, for more productive and creative learning.

For More Information

For more information about these products, visit www.apple.com/products on the World Wide Web or call 800-800-2775.

Apple stands behind its products with world-class service and support. Offering quality parts, extended hardware service options, phone support, and support via the Internet, we provide you with support choices that meet your needs. For more information, visit www.apple.com/support.