



AirPort

Features

Wireless Internet access

- Internet access anywhere in the home or classroom without wires*
- Simultaneously share a single Internet connection among the computers in your home
- 56K modem for easy Internet access; DSL or cable modem—ready for broadband connections
- Password protection and encryption capabilities to ensure security for your data and communications

Outstanding performance

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

Elegantly simple setup and ease of use

- Customer installable
- Setup Assistant has 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.

Have you ever wanted the freedom to use your computer and surf the Internet from anywhere in your home? Or how about being able to use more than one computer to surf the Internet at the same time?

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

Until recently, if you wanted to access the rich content of the Internet with more than one computer, you had two choices. You could order another telephone line for the second computer—and a second Internet account if you didn't want to have to wait your turn to go online. Or you could wire the computers together in a network. The big problem, of course, with wiring computers together is . . . the wiring. You'd have to drill holes in walls and run cables through the attic or down the hall to connect the computers—and if you want to move them later on you have to run additional wiring. You'd also have to set up and learn complicated networking software to allow both computers to share an Internet connection.

AirPort offers a much easier and more affordable alternative. Instead of using traditional cabling to create a network, AirPort is an 11-megabit-per-second wireless local area network (LAN) technology that provides efficient, reliable wireless communication between multiple computers and the Internet. With no ugly, messy cables to tie you down, you'll enjoy unprecedented freedom to move about the home or classroom.

What's more, AirPort enables everyone at home to simultaneously surf different web sites and access e-mail through a single Internet service account. There's no more waiting for your turn to dial into the Internet. No additional telephone lines to install. And no more complicated setups. And in the classroom, there's no need to run new Ethernet cables. 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 to every corner of the house or across several classrooms. AirPort also gives you high-speed file sharing, which means you can quickly move or share files between computers, all without having to rely on floppy disks or other media. Its fast transfer rate—up to 10 times faster than most home networking products—means AirPort can easily handle the most demanding file sharing, multiplayer gaming, and more.



Technical Fact Sheet

AirPort



AirPort provides wireless Internet access for wireless-equipped Macintosh systems through the AirPort Base Station. Similar to the base station of a cordless telephone, the AirPort Base Station is a small device that combines a modem and wireless LAN technology to provide connections between your computers and the Internet.

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

- *An AirPort Card*—a card about the size of a credit card that fits easily into a conveniently located slot inside each wireless-ready Macintosh computer, plus all the software you need to set up and operate an AirPort network.

And either:

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

Or:

- *An AirPort Software Base Station*—an AirPort-enabled computer that acts as the wireless base station through its Internet connection. The AirPort software runs in the background on the computer to connect to other AirPort-enabled computers to the Internet.

And, of course, AirPort is a fully integrated hardware and software solution from Apple, designed to work seamlessly with Macintosh computers. Unlike other radio cards and antenna that are attached to the outside of the computer, 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.

Best of all, because AirPort is so easy to install and set up, you're just minutes away from working and playing over the Internet.



Instead of communicating through a wired network, all AirPort-equipped Macintosh computers can communicate directly with each other without cables or complicated networking hardware. It's a much simpler way to transfer files to other computers without using floppy drives, cables, or infrared equipment. You can share files and play games wherever you happen to be.

AirPort at home

Imagine surfing the web from your sofa. Checking e-mail from your dining room. Enjoying a multiplayer game from your deck. With a transmission radius of approximately 150 feet, and more in certain environments, AirPort lets you put the computer where you want, not just where the phone jack is located. You'll especially appreciate the benefits of AirPort if you use a cable modem or DSL line; it lets everyone in your home take full advantage of your single high-speed Internet connection.

The simplest and fastest way to set up an AirPort network is to plug an AirPort Card into your iBook or Power Mac G4 computer and an AirPort Base Station into your telephone jack. Within minutes, you'll be free to move from room to room while you use the Internet, or share files among the computers in your home without cables. The AirPort Base Station provides wireless Internet access to as many as ten computers equipped with AirPort Cards. This way, computers can communicate directly with each other or log on to the Internet from any room in the house.



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AirPort in the classroom

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 a base station 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 Base Station 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.

Another way to set up a wireless network is to use one AirPort-ready computer, such as a Power Mac G4 or an iBook, as your wireless base station. You simply run the setup utility software that comes with the AirPort Card—there's no need for an AirPort Base Station—and plug the computer into the telephone line or Ethernet network. The software directs the data to and from other computers on the wireless network and out to the Internet. This is an effective way to bring wireless Internet access to your desktop and portable computers.



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With the AirPort assistant to walk you through setup, you're just minutes away from wireless Internet access.

AirPort on campus

AirPort gives students, faculty, and administrators unmatched access to the Internet and the campus LAN anywhere on campus. With AirPort Base Stations installed throughout the campus as part of the network infrastructure, institutions can deliver Internet access in lecture halls, classrooms, libraries, student unions, dormitories, and even outdoor quadrangles.

- *Anytime, anywhere collaboration.* Because an iBook with AirPort can easily network with other AirPort-enabled computers, communication and collaboration among faculty and students is now possible wherever they may be. The classroom is anywhere the class happens to be, even outdoors.
- *Modern classrooms.* By installing AirPort Base Stations in college classrooms, lecture halls, or auditoriums, students and faculty can collaborate wirelessly in ways never before possible. Simply plugging an AirPort Base Station into an existing network port enables the wireless exchange of files, e-mail, assignments, and chat sessions—all at Ethernet speeds. So administrators can finally stop thinking about expensive and disruptive hard-wired Ethernet classroom retrofits and focus on the learning process.

Elegantly simple setup and ease of use

Apple brings you wireless Internet access within minutes. The AirPort Setup Assistant uses your current Internet access settings to configure your wireless network settings. Once your computer is set up, launch your browser and you're online, no matter where you are located in your home or classroom.

Security

AirPort offers password protection and encryption capabilities to deliver a level of security equal to that offered by traditional cabled networks. Users are required to enter a password to log on to the wireless network—and, optionally, an additional password for access to each computer on the network. When transmitting information, AirPort uses 40-bit encryption to scramble data, so you know your communications are secure.

Only from Apple

Only Apple could make wireless networking this powerful and this simple, from integrated hardware to seamless software. Not only does AirPort give you the freedom to work and play where you like, it offers new ways to increase communication and collaboration, for more productive and creative work.



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Product Details

AirPort Specifications

Wireless data rate

- Up to 11 Mbps

Range

- 150 feet in typical use (varies with building construction)

Frequency band

- 2.4 GHz

Radio output power

- 15 dBm (nominal)

Compatibility

- IEEE 802.11HR Direct Sequence Spread Spectrum (DSSS) 11 Mbps and 5.5 Mbps draft standard
- IEEE 802.11 DSSS 1 and 2 Mbps standard

Included software

- AirPort Setup Assistant to configure the computer for network access and set up an AirPort Base Station or Software Base Station
- AirPort application to change networks and check signal strength
- AirPort Control Strip module to quickly measure signal strength and change networks
- AirPort Utility for base station network administration

AirPort Card

Order No. M7600/A

Environmental requirements

- Operating temperature: 32° to 95° F (0° to 35° C)
- Storage temperature: -13° to 140° F (-25° to 60° C)
- Relative humidity (operating): 95% maximum
- Relative humidity (storage): 95% maximum, noncondensing
- Operating altitude: 0 to 10,000 feet (0 to 3,048 m)
- Maximum storage altitude: 15,000 feet (4,572 m)

AirPort Base Station

Order No. M7601/A

Interfaces

- RJ-11 connector for built-in 56K V.90 modem
- RJ-45 connector for built-in 10BASE-T Ethernet
- Wireless
- AC power

Mounting options

- Desktop
- Wall mount (bracket included)

Electrical requirements

- U.S. and Japan
 - Line voltage: 100–120V AC
 - Frequency: 50–60 Hz
- U.K., Europe, Australia
 - Line voltage: 200–240V AC
 - Frequency: 50–60 Hz

Environmental requirements

- Operating temperature: 32° to 95° F (0° to 35° C)
- Storage temperature: -13° to 140° F (-25° to 60° C)
- Relative humidity (operating): 20% to 80%
- Relative humidity (storage): 10% to 90%, noncondensing
- Operating altitude: 0 to 10,000 feet (0 to 3,048 m)
- Maximum storage altitude: 15,000 feet (4,572 m)

Size and weight

- Diameter: 6.9 inches (175 mm)
- Height: 3.2 inches (80 mm)
- Weight (without wall mount bracket): 1.65 pounds (750 grams)

The AirPort Base Station is recommended for up to 10 users. It includes a base unit, external power supply, telephone cord, wall mount bracket, and complete software.

System Requirements

- An AirPort-compatible Macintosh computer
- At least 32MB of RAM
- Mac OS 8.6 or later

Purchasing Options

You can purchase a Macintosh computer from the online Apple Store with the AirPort Card preinstalled. You can also purchase the AirPort Card separately from the Apple Store or your local reseller. For up-to-date information, visit www.apple.com/store.

For More Information

For more information about these products, or to find out where to buy Apple products, visit www.apple.com/products on the World Wide Web or call 800-538-9696. To purchase these products from the Apple Store, go to www.apple.com/store.

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.

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