



AirPort in Education



Benefits

Colleges and universities

- Improve security and privacy
 - Up to 128-bit encryption
 - Increased firewall protection
- Use AirPort with other wireless and wired networks
- Get support for both Macintosh computers and PCs¹
- Roam from one AirPort Base Station to another while staying connected
- Access the Internet simultaneously with multiple computers²
- Take advantage of industry-standard compliance
- Use Cisco access points through Cisco LEAP support in AirPort 2.0

K-12 schools

- Provide the freedom to learn—anywhere
- Realize tremendous capital savings
- Say good-bye to expensive classroom retrofits
- Plug any hub, AirPort-enabled computer, or networkable printer into the second AirPort Base Station Ethernet port
- End worries about external components—no external parts to break or lose
- Access the Internet simultaneously with multiple computers²
- Take advantage of industry-standard compliance

Imagine a wireless solution that seamlessly extends both wireless and wired networks—and provides improved security for them. One that also gives students the freedom to access these networks and the Internet from any location, empowering teachers to integrate technology as they see fit. All at an incredible value.

Simple, powerful, and flexible, AirPort enables educators and students to use portable and desktop computers anywhere and share a single Internet connection.² Based on an 11-megabit-per-second wireless local area network technology (the IEEE 802.11b standard) instead of traditional wiring, AirPort is part of the only complete wireless networking solution:

- *AirPort Base Station.* A small device that plugs into your Ethernet network and also works with most DSL and cable modems, the base station lets faculty and students do research using the Internet, communicate with experts, and collaborate—without wires.
- *AirPort Card.* Fitting right into your AirPort-ready Apple desktop and portable computers, the AirPort Card ends your worries about external components such as cards and antennas breaking or disappearing during everyday student use.
- *AirPort software.* Compatible with Mac OS 9.0.4 or later and Mac OS X v10.1 or later, the AirPort software makes setting up and operating your wireless network simple. Using the software, AirPort-enabled Mac computers now support Cisco LEAP, making them compatible with Cisco access points.

A truly portable solution, AirPort frees computers from being confined to a specific area and extends learning to the quad, library, student union—even under a tree.³ Faculty and students can work together anywhere on campus and access the network resources they need. AirPort allows roaming from one base station to another while permitting the user to stay connected. Teachers in the classroom can free computers from the back wall, where wired connections are inconveniently located and student collaboration is nearly impossible.

Colleges and universities will especially appreciate AirPort password protection and encryption capabilities, which deliver security comparable to that of traditional wired networks. Password-protect your AirPort networks to create closed networks. Take advantage of up to 128-bit encryption to scramble data before sending it. Even secure your network from the outside world with firewall protection. Fully compatible with RADIUS (Remote Authentication Dial-In User Service), AirPort now makes securing a large network easier. The new RADIUS feature authenticates users via a remote server.



Specification Sheet

AirPort in Education

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Compliance with standards also makes AirPort a sound technology investment. The premier networking technology built to IEEE 802.11b standards, AirPort is compatible with your other wireless or wired networks and enables PCs and Macintosh systems to work together wirelessly. Providing a wide variety of connectivity options, AirPort can plug into your existing Ethernet network and also works with most DSL and cable modems.

Best of all, you can realize tremendous capital savings with AirPort. Extend wired networks—in student unions, dorms, and classrooms—without the high cost of additional wiring. Say good-bye to expensive retrofits and regain valuable classroom space. Even extend your wireless networks to portable buildings, often inaccessible in a wired network.

AirPort. Imagine the possibilities.





Specification Sheet

AirPort in Education

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Service and Support

Your AirPort Base Station, like your Apple computer, comes with 90 days of complimentary telephone support and a one-year limited warranty. The AppleCare Protection Plan extends the built-in coverage on your Apple computer to a full three years from your computer's purchase date and automatically includes coverage for your AirPort Base Station. The AppleCare Protection Plan provides direct telephone support from Apple technical experts and the assurance that repairs will be performed by Apple-certified technicians using genuine Apple parts. For more information, visit www.apple.com/support/products or call 800-800-APPL (2775).

Apple Professional Services offers schools and universities installation, upgrade, and assessment services that ensure that your Macintosh systems, software, and networks are well integrated into your educational environment and configured for optimal use. For more information about these and other Apple Professional Services offerings, visit www.apple.com/iservices, call 800-848-6398, or email iservices@apple.com.

For More Information

For more information about this product, visit www.apple.com/education on the World Wide Web or call 800-800-APPL (2775). To purchase products from the Apple Store for Education, go to www.apple.com/education/store.

Visit the Macintosh Products Guide at www.apple.com/guide for the latest information on more than 18,000 hardware and software products for your new computer.

Apple

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Technical Specifications

Wireless data rate

- Up to 11 Mbps (data rate depends on environment)

Range

- 150-foot radius from the base station in typical use (range depends on building construction)

Frequency band

- 2.4 GHz spread spectrum

Radio output power

- 15 dBm (nominal)

Compatibility

- Industry-standard IEEE 802.11b
- Works with Windows-based PCs and Mac computers¹
- Cisco LEAP client support

Included software

- AirPort Setup Assistant to configure the computer and AirPort Base Station for Internet access
- AirPort Admin Utility for base station network administration
- Internet Connect application for dialing support and to monitor connection status, turn AirPort on and off, change networks, and check signal quality (Mac OS X v10.1 only)
- AirPort application to monitor connection status, turn AirPort on and off, change networks, and check signal quality
- AirPort Control Strip module (Mac OS 9) or menu bar item (Mac OS X) to measure signal quality, change networks, and turn AirPort on and off

AirPort Base Station

Interfaces

- RJ-11 connector for built-in 56K V.90 modem for dialup Internet connections⁴
- RJ-45 connector for built-in 10BASE-T Ethernet for connecting a DSL or cable modem
- RJ-45 connector for built-in 10/100BASE-T Ethernet for connecting to wired computers or LAN
- Power jack (12V DC)

Positioning options

- Desktop
- Wall (mounting bracket included)



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Electrical requirements

- U.S. and Japan
 - Line voltage: 100–120V AC
 - Frequency: 50–60 Hz
- U.K., Europe, and 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 90%, noncondensing
- Maximum operating altitude: 10,000 feet
- Maximum storage altitude: 15,000 feet

Size and weight

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

System Requirements

For Macintosh users

- An AirPort-ready Macintosh computer with an AirPort Card
- Mac OS 9.0.4 or later or Mac OS X v10.1 or later

For PC users

- At least one AirPort-enabled Macintosh computer (to set up the base station)
- A PC with a Wi-Fi-certified IEEE 802.11b wireless card

Ordering Information

AirPort Base Station

Order No. M8209LL/A

AirPort Card

Order No. M7600LL/C

¹ Initial AirPort setup requires an AirPort-enabled Macintosh computer.

² Wireless Internet access requires AirPort Card, AirPort Base Station, and Internet access (fees may apply). Some ISPs are not currently compatible with AirPort. Simultaneous sharing of an AOL connection requires multiple AOL accounts.

³ Range may vary with site conditions.

⁴ Actual modem speeds lower; speed depends on connection rate and other factors.