



Wireless LANs

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Running cable can be expensive and time-consuming. So what if you could extend your company's network without running additional cable? With today's wireless LANs, you can. This article features state-of-the-art wireless LAN devices that you can install quickly and easily. You can use these wireless LANs to connect mobile users, remote workgroups, or branch offices to your company's network. You can also use these wireless LANs to create a completely wireless peer-to-peer network for temporary workgroups or small businesses.

AIRONET 4800 SERIES

The Aironet 4800 series from Aironet Wireless Communications Inc. is a family of wireless LAN products that use 2.4-GHz direct-sequence, spread-spectrum (DSSS) radio frequency technology. The Aironet 4800 series is currently the only family of 2.4-GHz wireless LAN products that offer 11 Mbit/s of bandwidth—the industry's highest supported data rate. In addition, the Aironet 4800 series supports speeds of 1, 2, and 5.5 Mbit/s.

The Aironet 4800 series consists of the following wireless LAN products:

- **AP4800.** The AP4800 is a wireless access point that provides wireless access to an Ethernet or a Token Ring network. By offering 2.4-GHz DSSS radio frequency and 11 Mbit/s of bandwidth, the AP4800 transfers data, video, and voice traffic at speeds comparable to those of a wired network. As a result, the AP4800 efficiently handles large files and bandwidth-intensive applications.

The AP4800 also offers extensive coverage. In fact, each AP4800 provides wireless access for network devices within 30,000 square feet. You can install multiple AP4800 access points throughout a facility to add cells of coverage, thus ensuring that all users can take advantage of wireless access.

- **MC4800.** The MC4800 is a multi-client network interface board that provides wireless access for up to four network devices. You simply connect the MC4800 to an Ethernet hub via a 10Base-T port. Any four network devices that are attached to the hub can then access your company's network through the AP4800. As a result, you do not have to install individual network interface boards in each network device.

You can even move network devices quickly and easily, providing immediate wireless access to new network devices that you connect to the hub. For example, mobile users can connect to the hub when they need wireless access. They can then disconnect from the hub, enabling other mobile users to establish a wireless connection.

- **PCI4800 and ISA4800.** The PCI4800 and the ISA4800 are network interface boards that you can install in PCI- or ISA-based network devices. Both the PCI4800 and the ISA4800 allow users to access your company's network through any AP4800 within 30,000 square feet.
- **PC4800.** The PC4800 is a PCMCIA network interface board that you can install in laptop computers or other network devices with a PCMCIA slot.

Mobile users can then access your company's network through one or more AP4800s. The PC4800 includes channel-agile software that allows any network device to easily communicate with multiple AP4800 access points. This capability enhances roaming and boosts overall performance.

- **UC4800.** The UC4800 is a universal-client network interface board that you can install in mobile devices or in devices that cannot use standard network interface boards. For example, you can install the UC4800 in printers, monitoring devices, point-of-sale devices, and other peripherals. You can also install the UC4800 in computers and non-networked devices.

The UC4800 is available with a standard serial connector or an Ethernet connector. As a result, you can replace a serial cable with a wireless connection, or you can wirelessly connect a serial device to your company's network through any AP4800 within 30,000 square feet.

You can purchase wireless LAN products from the Aironet 4800 series through retail channels. The suggested retail prices are:

- U.S. \$1,695 for the AP4800
- U.S. \$1,445 for the MC4800
- U.S. \$725 for the PCI4800
- U.S. \$695 for the ISA4800
- U.S. \$595 for the PC4800
- U.S. \$1,095 for the UC4800 with an Ethernet connector
- U.S. \$1,045 for the UC4800 with a serial connector

For more information about the Aironet 4800 series, visit Aironet's web site (<http://www.aironet.com>). You can also call 1-800-AIRONET or 1-330-664-7900.

RADIOLAN INDOOR LINK SERIES

The RadioLAN Indoor LINK series from RadioLAN is a family of wireless LAN products that use 5.8-GHz narrow-band microwave technology. This technology allows the RadioLAN



RadioLAN's MOBILINK

Indoor LINK series to offer a speed of 10 Mbit/s, which is equal to the speed offered by a 10Base-T Ethernet network.

The RadioLAN Indoor LINK series consists of the following wireless LAN products:

- **BackboneLINK.** BackboneLINK is a wireless access point that offers high-speed bridging capabilities between wired and wireless network segments. BackboneLINK provides wireless access for network devices within 10,000 to 15,000 square feet. BackboneLINK then transfers traffic from these devices onto any 10Base-T network at a full Ethernet speed of 10 Mbit/s.
- **ISA CardLINK.** ISA CardLINK is a network interface board that includes a cable-attached standalone radio transceiver. You can install the network interface board in any computer with an ISA expansion slot. You can then place the radio transceiver in an open location within six feet of the computer. This radio transceiver allows the network interface board to communicate with BackboneLINK, which provides the computer with 10 Mbit/s wireless access to your company's network.
- **PC CardLINK.** PC CardLINK is a PCMCIA network interface board that includes a cable-attached standalone radio transceiver. PC CardLINK offers plug-and-play installation, enabling you to connect the PCMCIA network interface board to any laptop computer quickly and easily. Mobile users can then access your company's network at a speed of 10 Mbit/s through BackboneLINK.
- **MOBILINK.** MOBILINK is a PCMCIA network interface board with an

integrated radio transceiver. Like PC CardLINK, MOBILINK offers plug-and-play installation and provides mobile users with 10 Mbit/s wireless access to your company's network through BackboneLINK. In addition, MOBILINK offers optional encryption capabilities for enhanced security.

- **DockLINK.** DockLINK is a standalone radio transceiver that connects directly to any Ethernet-enabled network device, including UNIX workstations, Macintosh workstations, and printers. These network devices can take advantage of 10 Mbit/s wireless access to your company's network through BackboneLINK.

You can purchase wireless LAN products from the RadioLAN Indoor LINK series through retail channels. The suggested retail prices are:

- U.S. \$999 for BackboneLINK
- U.S. \$349 for ISA CardLINK
- U.S. \$399 for PC CardLINK
- U.S. \$499 for MOBILINK
- U.S. \$799 for DockLINK

For more information about the RadioLAN Indoor LINK series, visit RadioLAN's web site (<http://www.radiolan.com>). You can also call 1-408-616-6300 or 1-888-272-3465.

BREEZENET PRO.11 SERIES

The BreezeNET PRO.11 series from BreezeCOM is a family of wireless LAN products that use 2.4-GHz frequency-hopping, spread-spectrum radio frequency technology. With this technology, the BreezeNET PRO.11 series effectively avoids radio-frequency interference, providing reliable wireless access between wired and wireless network segments.

The BreezeNET PRO.11 series consists of the following wireless LAN products:

- **AP-10 PRO.11.** AP-10 PRO.11 is a wireless access point that provides wireless access to an Ethernet network. AP-10 PRO.11 operates at a speed of 3 Mbit/s, offering automatic fall-back to 1 or 2 Mbit/s if necessary. In addition, AP-10 PRO.11 covers up to 3,000 line-of-sight feet with its integrated antennas. You can also purchase external high-gain antennas, which cover up to eight miles.

By installing multiple AP-10 PRO.11 access points in the same coverage area, you can increase effective throughput beyond the speed of the wired network. You can also install multiple AP-10 PRO.11 access points in different coverage areas to create cells of coverage. You can even overlap cells to ensure full coverage, to penetrate obstacles, and to provide high-speed roaming.

- **SA-10 PRO.11.** SA-10 PRO.11 is a standalone network interface board that connects to any Ethernet-enabled network device. For example, you can use SA-10 PRO.11 to provide wireless access through AP-10 PRO.11 for PCs, UNIX and Macintosh workstations, and point-of-sale devices. Because SA-10 PRO.11 is a standalone unit, you can move this unit from one network device to another device quickly and easily. SA-10 PRO.11 even offers plug-and-play installation to simplify this process.
- **SA-40 PRO.11.** SA-40 PRO.11 is a standalone network interface board with four ports. Like SA-10 PRO.11, SA-40 PRO.11 offers plug-and-play installation, enabling you to provide immediate wireless access through AP-10 PRO.11 for up to four Ethernet-enabled network devices.
- **SA-PCR PRO.11.** SA-PCR PRO.11 is a PCMCIA network interface board that you can install in laptop computers or other network devices with a PCMCIA slot. Mobile users can then access your company's network through AP-10 PRO.11. These users are free to roam within the coverage area without losing network connectivity.

You can purchase wireless LAN products from the BreezeNET PRO.11 series through retail channels. The suggested retail prices are:

- U.S. \$1,295 for AP-10 PRO.11
- U.S. \$695 for SA-10 PRO.11
- U.S. \$1,195 for SA-40 PRO.11
- U.S. \$495 for SA-PCR PRO.11

For more information about the BreezeNET PRO.11 Series, visit BreezeCOM's web site (<http://www.breezecom.com>). You can also call 1-760-431-9880.

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