ENJOY THE FREEDOM OF

WIRELESS NETWORKING
Chances are there’s a need for wireless in your enterprise network.

Consider this...

“Our user community includes town administration, police, school administration, faculty and students, and access to our network and the Internet is important to all. We are continually adding new users and must be prepared to provide the required level of service and data security in a short timeframe. Utilizing flexible, cutting-edge wireless technology, such as Enterasys’ RoamAbout,” we are now able to provide network connectivity for all.”

– Charlene Bond
Director of Information Technology
Town of Enfield, Connecticut

Today, wireless networking in healthcare is giving physicians secure, quick access to patient information from the bedside as well as the ability to immediately process critical data.

In educational institutions of all sizes, wireless connectivity is bridging the gap to remotely connect students and faculty in places like modular classrooms and university residence halls.

Financial organizations look to wireless to help them meet stringent disaster recovery requirements without compromising security.

In local, state and federal government installations, wireless is bringing network access to historic buildings where cabling isn’t practical.

In fact, regardless of the type of business enterprise, wireless provides on-the-fly connectivity to the corporate intranet or Internet -- in temporary offices, conference rooms, classrooms and more -- without sacrificing performance. And it can all be achieved without complicated wiring -- while still maintaining total security.
Wireless Networking: Hot Off the Wire

It’s the age of wireless and that means freedom and flexibility to work where it is convenient to work -- a conference room, a hospital room, a classroom, the cafeteria, a lab, a co-worker’s office, outside at a picnic table. The popularity of wireless LANs is evident in enterprises of all sizes and types -- especially in healthcare, finance, retail, manufacturing and education -- where users benefit from increased productivity thanks to hand-held terminals and notebook computers that can transmit real-time information. In other organizations, wireless networks are increasingly viewed as an innovative and affordable way to supplement rather than replace wired networks. Simply put, wireless is becoming the ultimate, must-have collaboration tool for every enterprise.

With wireless LANs, users can access information -- like e-mail, the Internet and company computing resources -- anywhere and anytime, without looking for a place to plug in. Often, wireless connectivity can be a competitive differentiator that sets one organization apart from another. Universities that offer wireless connectivity, for example, illustrate their commitment to implementing new technology and can attract and retain talented students and faculty. From an IT standpoint, wireless also brings great value since it eliminates the need to install expensive fiber infrastructures and also brings network access to older, historical buildings where cabling is impractical or undesirable.

Most importantly, extending network access with wireless is extremely secure. For instance, financial organizations find wireless to be an ideal disaster recovery solution. A mission-critical network can be up and running in a new location in minutes, ensuring that vital data gets through to regulators, employees and customers. No other type of solution can provide temporary networking that is immediately productive.

Wireless LANs offer productivity, service, convenience, and cost advantages over traditional wired networks. The bottom line: You will save money and increase productivity, immediately.

“The RoamAbout wireless products allow our staff to move easily between nursing stations while quickly submitting forms with maximum accuracy.”

- Francois Boudhin
  IT Manager
  South Jersey Health System
What to Look for in a Wireless Network

- **Complete mobility.** Access real-time information from anywhere, at any time with productivity and service opportunities not possible with wired networks.

- **Quick and easy to install.** Truly “plug-and-play,” wireless installation can be completed without unsightly and expensive traditional cabling -- perfect in buildings where wired networks aren’t feasible.

- **Cost-effective ownership.** Wireless allows for reduced carrier costs and lower installation expenses, especially because long-term costs frequently associated with adds, moves and changes are virtually eliminated.

- **Total scalability.** Configure the wireless LAN to meet the needs of your specific network environment -- then quickly change configurations as needed to accommodate new applications and users.

- **Standards compliance.** Compliance with IEEE standards and Wi-Fi certification mean you have greater wireless extension and seamless interoperability with existing equipment — adding value to your previous investments.

“The wireless industry will experience 40% to 50% annual growth over the next two years.”

- Wireless LAN Association
Wireless Solutions from Enterasys Networks™

An award-winning, standards-based, mobile LAN, Enterasys RoamAbout™ Indoor and Outdoor Wireless Solutions enable you to stay connected to your wired LAN -- to “take your LAN with you” -- through the use of wireless technology. Whether you’re building new departmental workgroups where cabling runs are difficult or prohibited, or providing temporary access to laptop users or users with hand-held devices, RoamAbout is the perfect answer for those looking to extend connectivity, increase productivity, and decrease carrier and installation costs.

Designed to provide seamless, wireless data communications to enterprises of all sizes, Enterasys RoamAbout is a quick, secure, cost-effective way to provide instant connectivity to the network anywhere a cable or wire can’t reach. The RoamAbout 2000 Access Point and Radio Cards are the core of both the indoor and outdoor solutions, with external antennas providing additional building-to-building connectivity. RoamAbout uses direct sequence spread spectrum signaling in the 2.4 GHz radio band, which delivers high-bandwidth 11 Mbps performance and supports up to 250 users for each Access Point.

RoamAbout is Wi-Fi™ certified by the Wireless Ethernet Compatibility Alliance, enabling a wide variety of compatible device options and protecting your investments. Importantly, RoamAbout software management tools provide real-time visibility, management and configuration of the entire wireless network.

Why Choose Enterasys RoamAbout Wireless?

• A mature and award-winning technology from a new, innovative company
• Networked solutions specially tailored for enterprise-level computing environments
• Increased productivity, investment protection and reduced installation costs
• The highest standards in wireless end-to-end security

Fast, Secure Access -- Inside and Out

Enterasys is the only vendor to provide both an indoor and outdoor solution from a single platform, giving you more features and flexibility at an extremely competitive price. With all RoamAbout solutions, you can move Access Points whenever and wherever they’re needed most.

Enterprise customers who spend thousands of dollars a month on carrier services or are considering the installation of expensive fiber infrastructures will find that the RoamAbout outdoor solution is an easy, cost-effective alternative where line-of-sight is achievable. The indoor solution adds network flexibility without the cost or hassle of cables, plus there are no licensing requirements or monthly fees. Enterasys’ patent-pending “Power-Injection” technology, which powers the Access Point through the networking cables, saves thousands of dollars by eliminating the need for costly electrical installation.
RoamAbout Features and Benefits

Security is probably the biggest reason why some enterprises hesitate to move to wireless. Enterasys provides best-of-breed 128-bit data encryption ensuring total security. Plus, RoamAbout offers key creation and distribution software as well as Radius client authentication. No one in the industry can match the security capabilities Enterasys provides. For example, in health care organizations, physicians, nurses and staff are able to transmit patient records without concern.

- **Secure, scalable and seamless interoperability.** Wi-Fi certified, with 11 Mbps performance, RoamAbout supports up to 250 users per Access Point. Multi-channel overlapping coverage areas enable greater aggregate bandwidth and more users.

- **Support for “indoor LAN-to-client and “outdoor” LAN-to-LAN.** With RoamAbout, one product, the RoamAbout Access Point 2000, supports LAN-to-client connectivity, LAN-to-LAN (building-to-building) connectivity, and point-to-multipoint, campus infrastructure connectivity.

- **Patent-pending “Power Injection.”** Power Access Points through the networking cables to save hundreds of dollars in installation costs and take advantage of flexible coverage areas.

- **Simplified configuration/diagnostic tools.** Access Point Manager tool allows easy configuration of one or more Access Points to assist in identifying optimum site surveys and device placement. Best of all, it’s FREE.

- **Mobile network/Internet connectivity for employees and customers.** RoamAbout wireless LAN solutions provide mobile access enabling users to roam from Access Point to Access Point through the network -- without interruption.

- **Standards based for investment protection.** An 11 Mbps IEEE 802.11-compliant solution, RoamAbout provides greater wireless extension and seamless interoperability with existing installed wire-based equipment, adding value to previous investments.

- **Cost-effective solution.** Wireless flexibility allows for reduced carrier costs and lower installation expenses.

- **Highly secure data transmission.** RoamAbout offers 40-bit WEP (Wired Equivalent Privacy) security or optional 128-bit (RC4 Algorithm) to provide the industry’s highest level of security. Take advantage of advanced access control features.

- **Easy to install.** RoamAbout Access Points are plug-and-play, so you can establish reliable, mobile network connectivity without unsightly and expensive traditional cabling -- perfect for buildings where wired networks would be impractical or expensive.

“You get a lot of functionality for your money with this [RoamAbout] series, including excellent management support, competitive performance and great security.”

- Oliver Rist
  Technical Editor
  InternetWeek
To learn more about Enterasys Networks’ RoamAbout Wireless Indoor and Outdoor Solutions and how they can give you a distinct competitive advantage, call us toll free at **1-877-641-7400** or visit us on the web at enterasys.com/wireless.