RoamAbout™ Access Point 2000 and High-Rate PC Card

- Seamless interoperability to ensure ease of use and protect existing technology investments
- Industry-leading security with up to 128-bit WEP and Encryption Key Distribution
- Easy-to-use configuration and diagnostic tools, including free RoamAbout Access Point Manager

- **Seamless interoperability**
  - IEEE 802.11b 11Mbps compliance and multivendor interoperability provide seamless connectivity to other vendors' 802.11b Direct Sequence products
- **Power injection**
  - Free, patent-pending power injector saves hundreds of dollars in installation costs by powering the Access Point through the network cables
- **Industry-leading security**
  - 40-bit WEP or optional 128-bit (RC4 Algorithm) for the highest level of security
  - Encryption Key Distribution tools enable easy creation and distribution of key to clients
- **Simplified configuration/ diagnostic tools**
  - Free RoamAbout Access Point Manager software tool for easy configuration
  - Free client diagnostic tools identify signal strength and other communication information to identify optimum Access Point placement
  - Enhanced access control gives managers total control over who is able to access the network

Wireless LANs for Next-Generation Networks

Designed for a workforce on the go, Enterasys Networks RoamAbout wireless solution offers enhanced user mobility, ease of installation, extended connectivity, increased productivity, and great cost savings. Benefit from award-winning features including uninterrupted access, 802.11b compliance, vendor interoperability, easy upgrades and free configuration tools—as well as the vital security you expect.

The RoamAbout family is based on two key components: the Access Point 2000, which quickly and easily connects to your wired LAN via Unshielded Twisted Pair, and an 11 Mbps 2.4 GHz Direct Sequence Spread Spectrum (DSSS) wireless Ethernet PC card.

A full-functioning switch, the Access Point connects to your wired LAN by a 10Base-T Ethernet connection and provides Layer 2 bridge functionality. An IEEE 802.11b Direct Sequence Spread Spectrum (DSSS) wireless network PC card, the RoamAbout PC card functions like any standard wired Ethernet card, but uses radio frequencies instead of a cable for the LAN connection. The RoamAbout PC card remains connected to the network by seamlessly switching to a different Access Point as you roam throughout the network. The RoamAbout PC card fits into any type II PC card slot on laptop devices, and can be installed in desktop computers without PCMCIA using the optional RoamAbout ISA adapter card.

Whether building new departmental workgroups where cabling runs are difficult or prohibited, or providing temporary access to laptop users or users with compliant hand-held devices, RoamAbout is the perfect answer to extended connectivity and increased productivity.

Take Your LAN with You

RoamAbout allows you to establish a wireless data LAN network quickly, easily, and economically, offering users dependable, Ethernet-like performance. With RoamAbout, no user in-building Radio Frequency license is required because it utilizes the ISM (Industrial Scientific and Medical) band with a performance-enhancing 2.4 GHz Direct Sequence Spread Spectrum frequency. RoamAbout is a productivity-enhancing utility that is easily integrated into any compliant infrastructure, allowing businesses and organizations the freedom they need to spread the benefits of shared data access. Whatever industry you're in, RoamAbout is easily adapted as a high-performance alternative to otherwise costly network expansion. Customers who rely on RoamAbout include health care customers such as hospitals, clinics, research facilities and telemedicine operations; K-12 schools, colleges, universities and distance learning campuses; Fortune 500 and 1000 customers; manufacturing facilities; historical sites; and government operations.

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Networks that Know

Specifications

Technical Specifications

Frequency Band
2400 - 2483.5 MHz

Number of Selectable Sub Channels Subject to Local Regulations
United States (FCC): 11

France (FR): 4

Japan (JP): 14

Other Countries (ETSI): 13

Modulation Technique
Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)

Spreading
11-chip Barker sequence

Bit Error Rate
Better than 10-5

Media Access Protocol
CSMA/CA (Collision Avoidance) with ACK

Interface
PC Card Type II Extended

Data Rate
11 Mbps (with fall back rates of 5.5, 2, and 1 Mbps)

Automatic Rate Selection Range

Semi-Open Office: 11 Mbps, 50m; 5.5 Mbps, 70m;
                   2 Mbps, 90m; 1 Mbps, 115m

Closed Office: 11Mbps, 35m; 5.5 Mbps, 70m;
                   2 Mbps, 40m; 1 Mbps, 50m

Compatibility
Supports Windows 95, 98, Windows NT, Windows 2000, Macintosh, Windows ME, Linux and Novell Client 3.x & 4.x

Environmental Specifications

Operating Temperature
5° C to 50° C (41 F° to 122° F)

Non-Operating Temperature
-40° C to 66° C (-40° F to 151° F)

Operating Humidity
95% max. (non-condensing)

Maximum Rate of Change
36° F/h (20° C/h)

Altitude Above Sea Level
To 2.4 km (8000 ft)

Air Flow
Convection cooled

Agency and Standards Specifications

Safety
UL 60950, CSA 60950, EN 60950, EN 60825 and IEC 60950

Electromagnetic Compatibility
47 CFR Parts 2 and 15, CSA C108.8, EN 555022, EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, and VCCI V-3

Ordering Information

CSIWS-AB
RoamAbout Access Point, requires PC card

CSICD-AW-128
128-bit Encryption PC Card

Optional Products

CS140CD-AW-128
RoamAbout 128-bit encryption PC Card, 40-card bundle

CS16CD-AW-128
RoamAbout 128-bit encryption PC Card, 6-card bundle

CSIBB-IA
RoamAbout Indoor Antenna—used for desktop PC applications where you want to extend the antenna or when Access Points are not ideally located

CSIWS-RM
RoamAbout rack mount for Remote Power Injector (holds three injectors)

CSIWS-RMPER
RoamAbout Remote Power Injector (spare/replacement)

RBTR2-PS3
RoamAbout Replacement/Redundant Power Supply 120-240 VAC

Warranty

As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. In the event that one of our products fails due to a defect in one of these factors, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired as soon as possible.

Service and Support

Enterasys understands that superior service and support is a critical component of *Networks that Know.*™ The Enterasys **SupportNet Portfolio**—a suite of innovative and flexible service and support offerings—completes the Enterasys solution. SupportNet offers all the post-implementation support services you need—online, onsite or over the phone—to maintain your network availability and performance.

Additional Information

For additional information on RoamAbout, visit **enterasys.com/products/wireless**

Contact Information

Contact Enterasys Sales at **877-801-7082** or **enterasys.com/corporate/contact/contact-sales.html**

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