

RoamAbout™ R2 Wireless Access Platform



- Industry-leading security with 128-bit encryption, SSID, static ACLs and RADIUS, and IEEE 802.1x Authentication
- Expandable architecture for higher performance and seamless interoperability
- Complete management, including 802.1x/EAP for policy-based networking

- **Industry-leading security features**
 - Wireless VLAN and Secure Network Naming (SSID); 128-bit WEP encryption; static ACLs and RADIUS client
 - Protocol Filtering and Broadcast Rate Limiting
 - IEEE 802.1x Authentication; Rapid ReKeying; SSH for Telnet; SSL for web management; secure SNMPv3
- **Expandable architecture**
 - Supports 802.11a/b/g; dual slot for multiple technology support simultaneously
 - Point-to-Point and Point-to-Multipoint
 - 10/100 Ethernet uplink
- **Total system manageability—including policy management**
 - Management scales to support thousands of wireless nodes; RoamAbout AP Manager, NetSight™ Atlas, SNMPv3, Telnet and a web browser
 - 802.1x/EAP enables policy-based networking
- **Remote power injection**
 - Powers RoamAbout through the network cables
- **Standards-based functionality**
 - Will support IEEE 802.11i, the proposed standard for security; IEEE 802.11e QoS wireless; IEEE 802.11f, the proposed standard for multivendor access point-to-access point communication

Multilayer Performance and Control in a Wireless LAN

Highly customizable and affordable, RoamAbout R2 is an expandable WLAN platform designed to provide customers with advanced networking features and intelligence, an upgradable architecture, and support for multiple technologies. These superior features offer a smooth technology migration, eliminating the need to upgrade an entire infrastructure or discard previously purchased PC radio cards, thus ensuring a higher return on investment and a lower total cost of ownership.

Built on an expandable architecture, the RoamAbout R2 will support multiple high-rate WLAN radios. The RoamAbout R2 runs 802.11a/b/g radios simultaneously. In addition, the RoamAbout R2 delivers on the promise of 802.1x/Extensible Authentication Protocol and with it, User Personalized Networking, enabling policy-based networking by making the network aware of users and their classifications.

Importantly, the RoamAbout R2 offers industry-leading features: enhanced user mobility with uninterrupted access, vendor interoperability, easy installation and upgrades, and free configuration tools—as well as the vital security you expect.

Advanced Network Functionality

Thanks to Layer 3/4 technology, the RoamAbout R2 will deliver nearly all the functionality commonly expected from

the industry's highest-functioning wiring-closet switches. RoamAbout R2 supports IEEE 802.1x/Extensible Authentication Protocol and SNMPv3 for secure network management.

Additionally, through future firmware releases, RoamAbout R2 will support 802.11e Security and 802.11f Inter-Access Point Protocol. RoamAbout R2 also supports two radios, providing double aggregate bandwidth availability or simultaneous outdoor bridging and indoor WLAN support, or standalone bridging as part of a wireless mesh topology.

The RoamAbout suite was the first to deliver power-over-copper capabilities. This functionality is also supported in the RoamAbout R2. Its advanced networking functionality makes the RoamAbout R2 the most flexible wireless access platform in the industry.

Superior Management

With management to support networks that scale from one to thousands of wireless nodes, RoamAbout R2 is fully manageable from the NetSight™ platform, enabling advanced management features such as policy-based management.

RoamAbout R2 also supports SNMPv3, Telnet and web management.

Specifications

Physical Specifications

Dimensions

6.23 cm (2.45") D x 1.73 cm (6.84") W x 20 cm (7.90") L

Weight

1.47 kg (3.25 lbs); weight includes plastic décor cover

Interfaces

Wired 10/100 Mbps with full auto negotiation

PC Card Interface: card bus 32 bit, PCMCIA 16 bit

General purpose interface to Mezzanine card

Console port: RS232

Environmental Specifications

Operating Temperature

-5° C to 50° C (23° F to 122° F)

Non-Operating Temperature

-30° C to 66° C (-22° F to 151° F)

Operating Humidity

0% to 95% (non-condensing)

Altitude

-60 meters (-200 feet) below sea level to 4000 meters
(13,125 feet) above sea level

Power Consumption

120 to 240 VAC; 16 Watts (19.2 Watts maximum)

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

RBTR2-AB

RoamAbout R2 wireless access platform (worldwide)

RBTR2-AZ

RoamAbout Access Point with Mezzanine

RBTRC-MZ

RoamAbout Mezzanine adapter for additional radio card

Multimode PC Cards (client only)

RBTBG-AW

RoamAbout 802.11 a/b/g PC Radio Card for clients only

802.11a PC Cards (RoamAbout R2 only)

RBTFB-AX

RoamAbout 802.11a PC Radio Card (8 channels)

RBTFB-AL

RoamAbout 802.11a PC Radio Card (Low 4 channels)

RBTFB-AJ

RoamAbout 802.11a PC Radio Card (Japan 4 channels)

802.11b PC Cards

CSICD-AW-128 802.11b 128-bit Encryption PC Radio Card (World Card)

Optional Products

CSIPT-MP

RoamAbout Activation Key for Multipoint AP

CSICD-AW-128

RoamAbout PC World Card with 128-bit encryption

CSI6CD-AW-128

RoamAbout PC World Card with 128-bit encryption; 6-card bundle

CSI40D-AW-128

RoamAbout PC World Card with 128-bit encryption; 40-card bundle

CSI40D-**

RoamAbout PC Card with 40-bit encryption; 40-card bundle

RBT6D-AW-SP6

RoamAbout R2 Starter pack: Includes one R2, six 128-bit PC World Cards and one Range Extender Antenna

RBTFB-PC

RoamAbout PCI Carrier (Requires CSICD-AW-128 or RTTBG-AW)

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 3 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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