

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; secureSNMPv3

• Expandable architecture

- Supports 802.11a/b/g; dual slot for multiple technology support simultaneously
- Point-to-Point and Point-to-Multipoint

• Total system manageability—including policy management

- Management scales to support thousands of wireless nodes; RoamAbout AP Manager, NetSight®, SNMPv3, and Telnet
- 802.1x/EAP enables policy-based networking

• Remote power injection

- Powers RoamAbout through the network cables

• Standards-based functionality

- Support for 802.11a/b/g, technology

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 supports 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, 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.

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 and secure Telnet 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

AC Power Supply

Input: 120-240 VAC; 0.5A

Output: 48VDC; 0.4 Amps

R2 Power Consumption: 10.5 watts typical, 13.5 watts maximum

Agency and Standards Specifications

Safety

UL 60950, CSA 60950, EN 60950, EN 60825 and IEC 60950
UL 2043 Plenum Rated (without decorative cover)

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

RBTBG-AW

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

RBTBH-R2W

RoamAbout 802.11a/b/g Radio card for the RoamAbout R2

Optional Products

CSIPT-MP

RoamAbout Activation Key for Multipoint AP

RBTBX-PC

RoamAbout PCI Carrier (Requires RBTBG-AW)

RBTBH-IA

RoamAbout indoor range external antenna for the RBTBH-R2W

CSIWS-RM

RoamAbout rack mount for remote power injector (holds 3 injectors)

CSIWS-RMPER

RoamAbout R2 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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