



## Supercharge your wireless network!

With standard features like Optimized TCP/IP connectivity, AES Encryption, FIPS 140-2 certified technology and Concatenated Compression, Radio IP Mobile TCP/IP Gateway™ (MTG) is the leader in wireless network efficiency solutions. Whether you use public or private networks, or a combination, Radio IP® has your supercharged solution.

## Radio IP MTG™ Version 2.2 Highlights

March 2004

### Feature Additions

Radio IP MTG™ Version 2.2 adds these great new features:

| Feature Description            | Feature Available | New Feature |
|--------------------------------|-------------------|-------------|
| Mobile DHCP                    | Yes               | Yes         |
| Simplified Installation        | Yes               | Yes         |
| Windows Authentication         | Yes               | Yes         |
| Mobile VPN                     | Yes               | Yes         |
| FIPS 140-2 Compliant           | Yes               | Yes         |
| 802.11x Optimization           | Yes               | Yes         |
| Improved Roaming Functionality | Yes               | Yes         |
| GPS Pass-Through               | Yes               | Yes         |
| Bubble Messages                | Yes               | Yes         |
| Windows Event Logs             | Yes               | Yes         |
| Application Routing            | Q1 2005           | Yes         |
| Integrated Administration      | Q2 2005           | Yes         |
| Windows Clustering             | Q2 2005           | Yes         |

*For full information on all the features of this software, please refer to the Radio IP MTG™ Product Sheet.*

### FEATURES EXPLAINED

#### Mobile DHCP

Radio IP Software introduces Mobile DHCP for wireless networks. Standard DHCP is too chatty for use on private wireless networks and adds extra data traffic to public networks. Radio IP Mobile DHCP solves the problem by removing the chattiness of the protocol, and streamlining transmissions, giving administrators of any wireless network the same functionality and simplified management control over IP addresses.

#### DHCP 101:

Dynamic Host Configuration Protocol simplifies network administration by automatically issuing and centrally managing IP addresses. It attributes a lease to each user connected to the network allowing for static IP addressing. Without DHCP, all IP addresses need to be manually set, which is a labor-intensive process for network administrators.

[More...](#)

## **Simplified Installation**

The Virtual Network Card provided by Radio IP Mobile TCP/IP Gateway is automatically installed and configured during the initial software set-up process and requires minimal user intervention. After installation, there's no need to reboot the computer, service starts automatically. An IP address is needed only if a machine is configured with a static IP Address.

## **Windows Authentication**

Radio IP MTG has simple user-password authentication using Windows Active Directory.

## **Mobile VPN**

Get the security of a Virtual Private Network with encryption, encapsulation, and user authentication over your entire mobile fleet. Seamless Mobile VPN functionality reduces the technology burden on users, adds an additional level of security, and lowers IT support costs.

## **FIPS 140-2 Compliant**

Radio IP MTG version 2.2 is Federal Information Processing Standards 140-2 compliant. Radio IP MTG is also FIPS 140-1 compliant and uses 3DES, DES, AES, SHA-1, HMAC-SHA-1 AND RSA encryption.

## **802.11x Optimization**

Modified control settings during installation of Radio IP Mobile TCP/IP Gateway, allows features like compression to be deactivated, resulting in better throughput speeds on 802.11x networks.

## **Improved Roaming Functionality**

Radio IP MTG has fine-tuned the RadioRoam® roaming module to improve the speed of changing networks, while staying efficient on all connected networks.

## **GPS Pass-Through**

Radio IP MTG server will route location data from GPS equipped mobile units, allowing legacy AVL applications and TCP/IP applications to co-exist on the network.

## **Bubble Messages**

A centralized message center displays critical errors or network status changes using Bubble Messages. For instance, when a network disconnects or a registration is accomplished a bubble appears to notify the user for more effective troubleshooting.

## **Windows Event Logs**

Working together with Bubble Help, standard Windows Event Logs improve network troubleshooting. Check the event log to view the detection of critical errors and other relevant information.

## **COMING IN Q1 2005**

### **Application Routing**

Customer-defined parameters will determine over which networks and under which conditions an application may transmit data, based on application names, IP address, etc. For example, software updates for specific applications could be restricted from transmitting over a narrowband network to prevent overloading.

## **COMING IN Q2 2005**

### **Integrated Administration**

Radio IP Software will introduce an Integrated Administration GUI using Microsoft Management Console (MMC) with DHTML and MMC plug in technology. All installed Radio IP products will be managed from a single interface, harmonizing network administration. In addition, with the addition of DHTML, administration of the network can be done remotely, from anywhere in the world.

### **Windows Clustering**

Clustering will provide a warm standby option, giving system availability and balancing network traffic load.