MISSION-CRITICAL, Mobile VPN

- 4G ready, network-agnostic mobile VPN solution
- Ensure continuous uninterrupted connectivity for mobile workforces
- Continuously monitor all GPS-enabled mobile units equipped with integrated, patented GPS Director
- RSA Certified solution that exceeds industry standard security policies (FBI CJIS, HIPAA)
- Robust multi-agency, multi-administrator network management within a single MVPN
- Facilitate administration through group policy and remote updates
- Dynamically adapt to specific application and situational requirements with advanced application steering capabilities
- Drive ROI with advanced analytics/reporting capabilities for comprehensive auditing and trending

The increasing reliance on mobile workforces within mission-critical environments such as public safety, home care, hospital settings, field service management, utilities and other industries is challenging IT administrators to ensure quick, reliable, secure and seamless wireless communications while controlling costs. From simple text and low-resolution images to bandwidth-intensive computer aided dispatch (CAD) or multimedia applications, mobile workforces need reliable, uninterrupted, continuous wireless connectivity – everywhere. Administrators have a multitude of wireless technologies to consider, and each produces a network characterized by factors of performance, coverage, control, security, reliability and costs.

Mult-IP is the only network agnostic mobile VPN solution in the industry with simultaneous support for all major wireless network technologies, including both IP and non-IP based Public Mobile Radio (PMR) networks, public and private wireless networks such as 2G/3G, WiFi, 4G (LTE and WiMAX) and broad based satellite networks. Enforcing and exceeding FBI CJIS and HIPAA security policies, Mult-IP's support for FIPS 140-2, AES/3DES encryption, and two factor authentication ensure VPN connections are always protected and secure – regardless of the network used.

Mult-IP’s advanced group policy management feature allows IT administrators from individual agencies to create unique client groups and associated policies tailored to their distinct needs and budget. This intelligent partitioning of resources empowers each agency to configure which network will carry specific application data based on the applications' priority, operational parameters, and/or authentication requirements – independent of other groups within a single agency and across other agencies.

An administrator can allocate one or multiple end user applications to the roaming profile that best suits the application needs. This added intelligence and flexibility ultimately delivers an ideal balance of coverage, redundancy, reliability, performance and network cost control while delivering consistent, uninterrupted wireless connectivity…anywhere, anytime.
About Radio IP

Radio IP Software leverages a broad portfolio of intellectual property to deliver innovative mobile data connectivity solutions that provide mobile workforces with secure, real-time access to a wide range of applications and networks. Users of Radio IP’s award-winning VPN solutions include small and large enterprises, as well as military, public safety, utilities, transportation and government agencies with mission-critical or business critical communication requirements.

Product Summary

Mult-IP is an exclusive client-server Mobile VPN software solution that extends your LAN wirelessly and securely.

- **Network Agnostic**
  - Mult-IP supports all networks, from PMR (IP or non-IP based), public/private wireless (cellular, WiFi, LTE, WiMAX) to satellite networks.

- **Concurrent Networks**
  - Mult-IP’s patent-pending concurrent networks technology enables administrators to create multiple independent communication networks in one VPN, achieving an ideal balance between coverage, performance, control, reliability and cost.

- **Application and Session Persistence**
  - Mult-IP’s automatic network reconnect implementation ensures continuous connectivity by automatically and seamlessly reconnecting clients to the network when signal interruptions occur without any loss of data.
  - Overcoming the loss of data associated with connectivity challenges, Mult-IP maintains an open socket connection to the network, giving session persistence and keeping applications running smoothly and continuously. Furthermore, application data is buffered, allowing connections to seamlessly resume following gaps in wireless coverage.

- **Centralized, Real-Time Mobile Device Management**
  - GPS Director allows administrators to monitor every GPS receiver deployed in the jurisdiction from a single location. Each mobile asset is identified by device-specific addresses ensuring total precision. At the agency level, management is facilitated by logical grouping of individuals into respective departments.

- **Group Policy Management**
  - Mult-IP’s advanced Group Policy Management feature facilitates fleet management through configurable groups of clients, authentication type and application policies. It allows the IT Administrator to control which application is used by a specific group of users and on which network.

- **Targeted Remote Updates**
  - The remote update functionality sends Mult-IP updates directly to selected field units using the most cost-effective network resource available. Networks configuration may differ from one group to the other, answering the needs of different groups.

- **Authentication, Encryption and Security**
  - Mult-IP is an RSA Certified mobile VPN solution that fully complies with RSA SecurID token authentication (either physical or software-based), increasing mobile VPN security across any type of mobile device including laptops, handeholds, and smartphones.
  - Mult-IP exceeds the FBI CJIS and HIPAA requirements, providing FIPS 140-2, AES and 3DES encryption, supporting 2-factor authentication and meeting audit functionalities.
  - Mult-IP also supports multiple administrators to enable easy sharing of a single distributed system.

- **Load Balancing and Scalability**
  - Mult-IP can scale in-service from one single gateway supporting one thousand users to multiple gateways supporting thousands of simultaneous users without impacting active sessions. On connection, new clients are automatically connected to the gateway with the lightest load.

- **Redundancy and Disaster Recovery Support – No Single Point of Failure**
  - Mult-IP provides the highest level of reliability via automated and synchronized replication of data between all gateways in a farm. Should one gateway in the farm fail or shut down for maintenance purposes, the client re-connects to the other available gateway(s).
  - This type of redundancy is ideal for disaster recovery planning as the gateway farms can be installed in different geographic locations allowing for continuous operation in the event of a disaster.

- **Split Tunneling**
  - Split tunneling allows clients to bypass the Mult-IP VPN for low security or pre-defined applications (such as local printer or Internet browsing) when security is not required. It also prevents clients from repeatedly connecting and disconnecting to access resources on separate networks.

- **Network Optimization**
  - Mult-IP’s patented TCP/IP optimization technique, data compression algorithms, and exclusive advanced modem integration capabilities effectively push more data across the network, improving performance on legacy systems and pulling more ROI from existing network infrastructures.

- **Analytics/Reporting**
  - Mult-IP’s data collection capabilities produce comprehensive reports providing IT administrators the necessary intelligence for immediate decision making and future planning.

Technical Specifications

**OPERATING SYSTEMS**

All components support virtual machines based on VMware and Hyper-V.

- **GATEWAY**
  - Windows Server 2008 R2 (64 bit)

- **CLIENT**
  - Windows XP SP3 (32 bit)
  - Windows 7 (32-64 bit)

- **MANAGEMENT CONSOLE**
  - Windows XP SP3 (32 bit)
  - Windows 7 (32-64 bit)
  - Windows Server 2008 R2 (64 bit)

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