M Mult-IP

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
- ○ 2-Factor Authentication solution exceeds industry standard security policies (FBI CJIS, HIPAA, PCI DSS)
- ○ 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
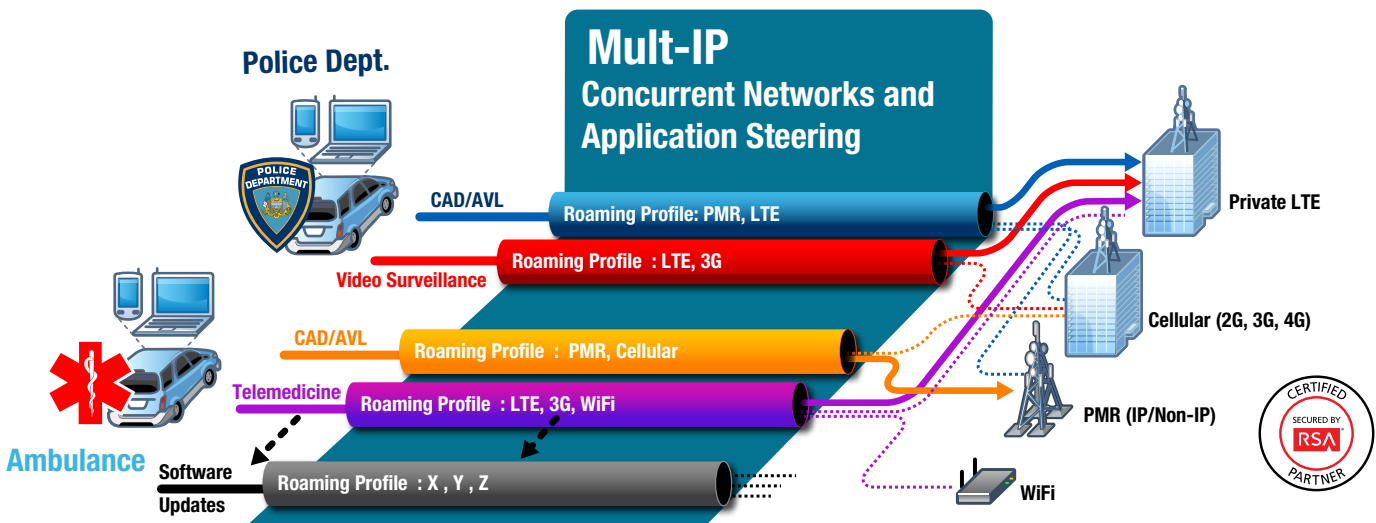
The increasing reliance on mobile workforces within mission-critical environments such as public safety, home care, hospital settings, field service management, utilities and other industries is challenging IT administrators to ensure quick, reliable, secure and seamless wireless communications while 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.

Radio IP's patented concurrent networks technology , and exclusive application steering capabilities, provides the ability to parse a single mobile VPN tunnel into multiple virtual routes through the use of intelligent roaming profiles, which define the priority sequence of wireless network paths to be used to establish a connection. Unique software intelligence constantly monitors network availability to ensure the roaming profile is always using the highest priority network path available for that virtual route, managing changes in networks coverage without impacting connection status.

Always On. Always Connected. Always Secure.

Police Dept.

Mult-IP
Concurrent Networks and Application Steering

CAD/AVL — Roaming Profile: PMR, LTE
Video Surveillance — Roaming Profile : LTE, 3G
CAD/AVL — Roaming Profile : PMR, Cellular
Telemedicine — Roaming Profile : LTE, 3G, WiFi
Software Updates — Roaming Profile : X , Y , Z

Ambulance

Private LTE
Cellular (2G, 3G, 4G)
PMR (IP/Non-IP)
WiFi

CERTIFIED SECURED BY RSA PARTNER

Entrust® Ready

Radio IP
Redefining Secure Mobility

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.

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 patented 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 a mobile VPN solution that fully complies with RSA SecurID token authentication (either physical or software-based Entrust authenticators or other 3rd party), increasing mobile VPN security across any type of mobile device including laptops, handhelds, and smartphones.

Mult-IP exceeds the FBI CJIS, HIPPA and PCI DSS 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) Windows 8.1
MANAGEMENT CONSOLE	Windows XP SP3 (32 bit) Windows 7 (32-64 bit) Windows 8.1 Windows Server 2008 R2 (64 bit)

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.

Radio IP

Redefining Secure Mobility