Wave Relay® is a Mobile Ad Hoc Networking System (MANET) designed to maintain connectivity on the move. It is a scalable, peer-to-peer network which provides data, video, and voice even in the most challenging applications. With user throughput of 41 Mbps UDP and 31.1 Mbps TCP, Wave Relay® provides a dynamic, reliable, and secure wireless networking solution beyond mesh.

THE WAVE RELAY® MANET DATALINK WAS DESIGNED AS A SMALL, LIGHTWEIGHT EMBEDDED MODULE IDEAL FOR INTEGRATION WITH UNMANNED/UNATTENDED SYSTEMS, PORTABLE GROUND CONTROLLERS, AND OTHER INTEGRATED SYSTEMS.

Seamless Layer-2 Ethernet connectivity facilitates plug-and-play operation of cameras, video encoders, IP sensors, and other devices. Serial to Ethernet functionality enables control of serial devices over the wireless network.

- Peer-to-Peer Mobile Ad Hoc Network (MANET)
- Secure High Bandwidth Data
- Transfers Data, Video & Voice
- Multiple Video Streams
- Real-time Position Location
- Push to Talk (PTT) Voice
- Wave Relay® over IP (WRoIP)
- 27Mbps Multicast Throughput
- Cloud Relay Compatible
GEN 4 INTEGRATION UNIT

- Integrated hardware cryptographic accelerator
- FIPS 140-2 Certified
- Utilizes Suite B algorithms
- Active response to tamper
- AES-CTR-256 with SHA-512 HMAC

SECURITY
- Seamless layer 2 network connectivity
- Industry leading Wave Relay® MANET routing
- 802.11a/b/g AP compatible with MANET
- Integrated serial-to-Ethernet capability
- Cursor-on-Target compatible
- Cloud Relay™
- Dynamic Link Exchange Protocol (DLEP) Certified
- IPv4 and IPv6 compatible
- Integrated DHCP server
- Advanced multicast algorithms

MANAGEMENT
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NETWORKING
- Multicast Video, position locator and chat in an Android™ application
- Supports commercial/custom phones and tablets
- Provides power through USB tether

ANDROID™
- Multicast Video, position locator and chat in an Android™ application
- Supports commercial/custom phones and tablets
- Provides power through USB tether

NATIVE VOICE CAPABILITY
- Supports up to 16 channels of Push-to-talk (PTT) Voice
- G.711 Codec with toll-quality audio

MANUFACTURING & WARRANTY
- Designed and manufactured in USA
- Monthly training classes available
- Courses led by industry experts
- ISO 9001:2008 certified
- MIL-STD certified