



Cloud Relay™

MANET Extension

It is a scalable, peer-to-peer wireless 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. Introducing Cloud Relay™: a seamless networked solution to bridge Beyond Line of Sight (**BLOS**) to Line of Sight (**LOS**) networks.

This technology works with Persistent Systems' Wave Relay® by allowing long-range remote access to video, voice and data to and from all MANETs. Smooth transition via Layer 3 networks such as Internet or a private network (i.e. **SATCOM**) through which traffic is routed across to get it to another MANET in different parts of a city, state, country or even different parts of the world. Cloud Relay™ allows distributed enclaves to participate as if locally connected.

Capability:

- Seamless Layer-2 connectivity.
- Support for unicast, multicast, and broadcast traffic.
- Supports multiple gateway topologies.
- No reconfiguration of host devices as they move between gateways.
- Internet access (if available via local edge network).
- 27Mbps multicast.

Integrated Solutions:

- Multiple vendors are building ruggedized Wave Relay® + Cisco® routers.
- Integrated solutions will simplify system deployment.

Components:

- Wave Relay® node + Cisco® Layer 3 embedded services router for mobile spoke functionality.
- Wave Relay® router running WRoIP configuration.
- Cisco® Layer 3 enterprise router for VPN aggregation hub functionality.

Design:

- Leverages existing infrastructure to extend the Wave Relay® MANET worldwide!
- 3G/4G Cellular, SATCOM, wired internet, or other Layer-3 technologies.



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Technical Specifications quoted are verified but do not indicate the maximum performance limitations of the equipment. Specifications are subject to change without notice. E & OE Issue A.

