

Rapidly Deployable Wireless Router Provides Mobile Self-Healing Mesh-Networks

During a disaster, communication systems based on an existing infrastructure, such as cellular, or wire and fiber lines are often partially or completely destroyed. Access to information is needed, but there is little time to establish new data networks.

NovaRoam™ Wireless Routers from Nova Engineering provide flexible, rapidly deployable and self-healing wireless IP (Internet Protocol) networks that can send and retrieve emergency management information.

Deployed in any type of emergency vehicle, NovaRoams provide a much-needed dynamic communication system. Utilizing Mobile Ad-hoc Networking (MANET) technology, the NovaRoam's mesh-network is infrastructure-free, automatically established and maintained, and agile. To further extend the network, connections between NovaRoams can exceed 6 km in a single "hop". Data rates are user defined from 21 kbps to 1 Mbps to best suit the tactical situation. Additionally, NovaRoam easily integrates with GPS receivers providing distribution of real-time positions of all equipped vehicles.

NovaRoam provides emergency response teams, disaster recovery, public utilities, public safety, rescue and emergency shelter organizations real-time coordination and access to information through moveable network connections. They are also excellent for back-up and crisis management communications systems.

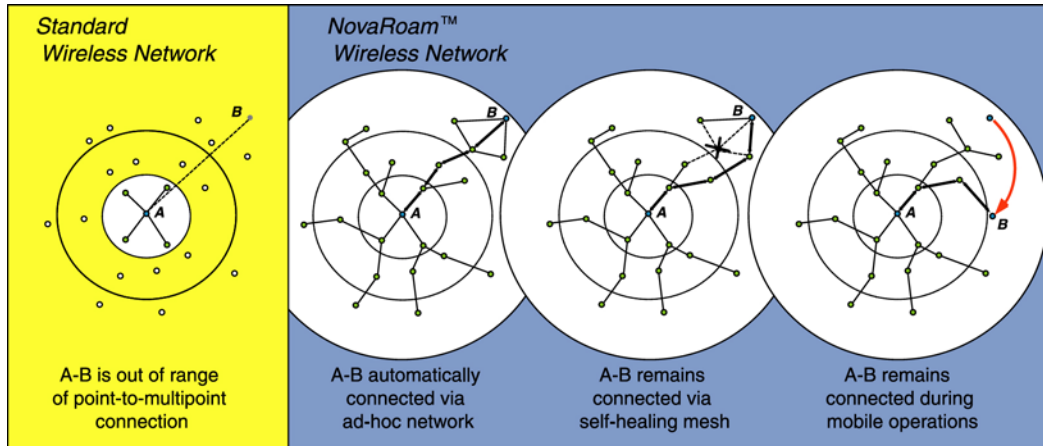


Figure 1 – NovaRoam provides self-configuring, self-healing wireless networks

About Nova Engineering

Nova Engineering, Inc. is a wireless and digital communication products and services company. Since 1989, Nova Engineering has pioneered a variety of leading edge developments for high technology companies and government agencies.



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