



Product Highlights

- Scalable and flexible system design allows for fast deployment, cost-efficiency and rapid ROI.
- Supports toll quality voice, ISDN-BRI and high-speed Voice Band Data.
- Optimizes spectrum utilization using field proven FH-CDMA technology and advanced multiplexing techniques.
- Supports a wide range of frequency bands (800MHz - 3.8GHz).
- Designed for rural, suburban and urban environments.
- Long distance radio coverage (Over 25km LOS).
- Supports full transparency to value-added services.
- Interfaces with standard analog & digital network protocols (V5.2, TR-008).
- Provides integrated network planning and management tools.

System Description

The MultiGain Wireless (MGW) is a field proven point-to-multipoint Fixed Wireless Access (FWA) solution. The MGW enables the fast and cost effective implementation of high quality communication services for both incumbent and Competitive Local Exchange Carriers (ILEC/CLEC) worldwide.

In urban, suburban and rural environments, the MGW dependably supports a variety of services including toll quality voice, high-speed Voice Band Data (VBD) and ISDN-BRI.

The modular and flexible architecture of the MGW guarantees extremely fast deployment, regardless of the topography. The systems scalability enables low initial investment, with further capital outlay matching network growth and subscriber demand. Combining advanced Frequency Hopping CDMA technology with an innovative blend of space and time diversity techniques, the MGW delivers the highest level of spectrum utilization and exceptional communication immunity against environmental interference. Furthermore, the MGW Coverage eXtender (MCX) offers excellent utilization of E1 transmission media.

The MGW meets regulatory and operational requirements with a wide range of frequency bands (800MHz to 3.8GHz) and supports standard analog and digital interfaces (V5.2 or TR-008). The MGW system is supported by both FWA network planning tools and comprehensive management and control tools, providing a complete package to answer any operator's needs.



