

# Rural Telephony



## The Challenge

Meet the communications needs of customers in rural areas

Residents and businesses in rural areas commonly have no access to communications. Only their most basic requirements are met with antiquated rural radio service equipment. Customers in these rural areas have user requirements similar to those of urban customers, ranging from basic dial tone to broadband access, and yet these requirements are simply not being met. Due to remote location, difficult terrain, hostile environment, or widely dispersed customers, laying copper or fiber may not be a cost-effective solution to deliver connectivity. These customers need a flexible, reliable solution that can cost-effectively meet their communications needs now and in the future.

## The iDirect Solution

Flexible, bi-directional satellite access meets all your remote customers' requirements

The iDirect broadband satellite access solution allows users anywhere to bypass the need for last mile connectivity through landline connections without sacrificing the communications functionality. The iDirect solution has the flexibility to cost-effectively meet any customer requirements, from basic dial tone to advanced broadband network solutions.

- ◆ High bandwidth –up to 18Mbps, reliability, and security
- ◆ Capability of supporting POTS (voice, fax, dial-up data) and broadband
- ◆ Quality of Service and network prioritization to support multiple voice channels
- ◆ Seamless integration with legacy and planned IT equipment
- ◆ Network scalability

## How it Works

All the power of broadband IP – delivering the capabilities users need

The iDirect Satellite Router integrates all the hardware and software needed to deliver bi-directional broadband easily and efficiently. And, the iDirect solution provides the networking power you need to support all your user applications, and meet any communications challenge via satellite.

- . **Broadband Access** – The highest TCP/IP throughputs in the industry, with speeds up to 18 Mbps downstream and 4.2Mbps upstream.
- . **Application Support** – Deploy any HTTP application, and simultaneously support data, voice and video to multiple locations while guaranteeing the delivery quality.
- . **A Centralized NMS System** – Manage all your remote units from a central location.
- . **Increased Bandwidth Efficiency**
  - Support more applications and carry more traffic over your – Support more applications and carry more traffic over your available bandwidth.
- . **Support Real Time Applications** – The most flexible and granular Quality of Service (QoS) capability in the industry makes this solution ideal to carry voice traffic.
- . **Capacity Optimization** – 1.2 Carrier Spacing delivers 14% savings in bandwidth and, by using a native IP solution, you save 10-50% capacity compared with inefficient MPEG Encapsulation.
- . **Security** – The iDirect solution enables the deployment of government or corporate approved The iDirect solution enables the deployment of government or corporate approved VPN solutions over satellite networks without loss of either TCP performance or support for real-time applications such as VoIP and streaming video.

Developed specifically to meet the communications needs of remote customers, iDirect-powered networks break the constraints of traditional landlines. We deliver the speed, performance and flexibility to fulfill the most demanding requirements of today’ s users – anywhere.

*Take advantage of iDirect’s unique combination of highly efficient bandwidth usage, enormous flexibility, and superior reliability and performance. Extend your broadband service anywhere in the world, economically and quickly, with iDirect.*

