

TESTIMONIAL

SkyWire™ Delivers Service Differentiation for Telecommunications Provider



TelAlaska, Inc., a subsidiary of American Broadband, is a family of companies that provide telecommunications products and services throughout Alaska. Specializing in providing telecommunications to remote, rural locations, only four of the 25 Alaskan communities that TelAlaska's Interior and Mukluk Telephone companies serve are accessible by road. TelAlaska companies also offer cable TV service to three communities (Eyecom Cable), long distance telephone service (TelAlaska Long Distance), plus Internet and advanced network solutions throughout the state (TelAlaska NetWorks).

TelAlaska relies on technology and customer service to continue their tradition of innovation and excellence in communications. Serving urban centers and small, rural villages throughout a state with unique geographic challenges requires the extensive use of satellite communications. In order to better manage their space segment costs, TelAlaska was looking for an IP-based solution that would provide highly efficient satellite connectivity. The bulk of the traffic from the rural villages was burst transmissions, which were underutilizing the dedicated SCPC links that provided satellite connectivity to these remote areas. TelAlaska needed a solution that could provide bandwidth only when needed for the transmission of IP-based traffic. They decided to migrate from traditional single channel per carrier (SCPC) links to a fully meshed IP-based network. After extensive analysis of vendor offerings, TelAlaska selected Comtech EF Data's SkyWire™ MDX420 Satellite Network Gateway as an integral component of their satellite link migration plans.

SKYWIRE™ MDX420 SATELLITE NETWORK GATEWAY



The SkyWire MDX420 is a next generation product designed specifically for IP networks running over satellite. Ideal for small to medium-sized networks, the system is typically used to support IP-centric, full mesh data and voice, and bandwidth-on-demand video, voice and IP applications. It combines the throughput and robustness of a SCPC system with the bandwidth savings of a time division multiple access (TDMA) system. By leveraging benefits of both SCPC and TDMA, the SkyWire MDX420 can provide the ultimate in satellite network performance.



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The SkyWire MDX420 is the first TDMA broadband satellite system to eliminate the need for high stability references or an expensive central hub with complicated system software. With its revolutionary single hop bandwidth-on-demand capability, the SkyWire MDX420 minimizes system response time to changes in traffic flow. The small efficient burst sizes and ultra low overhead allow the SkyWire MDX420 to provide bandwidth efficiencies and increased network throughput.

The SkyWire MDX420 system is easy to configure and the auto-everything 10/100/1000 terrestrial data ports provide instant connectivity for any IP application.

DEPLOYMENT OF SKYWIRE™ IN TELALASKA'S NETWORK

To maintain a high level of service for their customers, TelAlaska needed the fully meshed IP-based network migration to be smooth. Over the past 12 months, TelAlaska's information technology and operations groups worked closely with Comtech's technical personnel on the network design and implementation of SkyWire. The result was a seamless implementation into TelAlaska's operations environment.



With SkyWire's revolutionary single hop bandwidth-on-demand capability, TelAlaska's network is able to respond to traffic flow changes in about ½ the time of other TDMA systems. The mesh connectivity between rural Alaskan villages provides rapid throughput allocation and overall system response. For maximum efficiency and optimized operational expenses, the bandwidth is provided only when needed to transmit voice, video and data applications. Comtech's unique technology is proving to be a service differentiator for TelAlaska.

TelAlaska currently has SkyWire deployed in 12 locations of their production C-band network. Based on the success of the previous installations, they are planning to deploy the Comtech solution to additional markets in the near future.

MORE INFORMATION



For more information on the telecommunications solutions that TelAlaska provides to rural communities and the advanced network solutions they provide to urban markets, visit www.telalaska.com.



To learn more about how your network can benefit from our advanced communications solutions, contact Comtech EF Data. For more information, visit www.comtechefdata.com.

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