

TESTIMONIAL

Pan-Africa Service Provider Addresses Satellite Capacity Shortage

Gateway Communications, a leading service provider, is focused on the provision of services to telephone companies and businesses in Africa. Commitment to high quality and affordable pan-Africa communication services is inherent to Gateway via one of the most advanced regional and international networks. Spanning 28+ countries, Gateway Communications is currently providing a comprehensive suite of communications services to 79+ telephone operators and about 900 corporations, facilitating international communications for millions of African telephone subscribers.

To ensure coverage throughout Africa, Gateway Communications had to address a set of challenges unique to this continent. The challenges include the lack of legacy infrastructure, the rapid expansion of cellular networks and subscribers, the shortage of satellite capacity over Africa, and a variety of landscapes – deserts to rain forests – that can make terrestrial solutions difficult or impossible.

Gateway opted for a distributed, satellite-based network infrastructure. To ensure the needs of their expanding customer base are met, integrating next generation technology into the equation was imperative for delivering multiple services, scalability, quality of service and reliability. Gateway Communications selected the CDM-Qx Multi-Channel Satellite Modem with the award-winning technology, DoubleTalk™ Carrier-in-Carrier® to power their satellite communications infrastructure.

“Gateway Communications has seen demand for satellite capacity over Africa expanding at record rates,” said Peter Gbedemah, chief executive officer for Gateway Communications. “A key tool in meeting this demand is our technical expertise. By using world-leading technologies such as DoubleTalk Carrier-in-Carrier, we’re confident of our future success.”



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The CDM-Qx and CDM-QxL are the first Multi-Channel Satellite Modem with a modular architecture that fits in a 1RU chassis. Designed with the needs of satellite operators, communication service providers and enterprise users in mind, it offers exceptional flexibility, redundancy, integration and performance. The unique four-slot chassis architecture allows a cost-effective deployment of multiple modulators, demodulators or modems. CDM-Qx and CDM-QxL are also the first satellite modems to offer DoubleTalk Carrier-in-Carrier capability.

Carrier-in-Carrier[®] is based on Applied Signal Technology's DoubleTalk[™] bandwidth compression technology. DoubleTalk uses "Adaptive Cancellation," a patented technology that allows the transmit and receive carriers of a full-duplex satellite link to be transmitted in the same transponder space. The unprecedented bandwidth efficiencies provided with DoubleTalk Carrier-in-Carrier have allowed Gateway Communications to combat the satellite capacity shortage. They are essentially doubling throughput – transmitting twice the network traffic via their satellite space segment.

MORE INFORMATION



Gateway Communications is the leading provider of communications services to GSM operators and corporations in Africa. Gateway delivers the highest quality, most comprehensive and affordable international communications services on the continent. With operations dating back to 1991, Gateway Communications is one of the most established operators in Africa and has pioneered the delivery of cost-effective regional connectivity, infrastructure roll out and managed services throughout the region. More information about the company can be found at www.gatewaycomms.com.



To learn more about how your network can benefit from our bandwidth-efficient technologies, contact Comtech EF Data. We offer complimentary tools to highlight the multi-dimensional optimization that can be achieved for new or existing satellite communications links. For more information, visit www.comtechefdata.com.



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