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CDM-Qx
New Multi-Channel Satellite Modem
Product Bulletin
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Back panel of CDM-Qx - Depicts multiple configuration options

Overview

Comtech EF Data is pleased to announce the availability of the CDM-Qx, the first 70/140 MHz Multi-Channel Satellite Modem packaged in a single rack unit chassis. The modem offers exceptional flexibility, redundancy and performance with four configurable slots. The unique architecture allows cost-effective deployment of multiple modulators, demodulators or modems.

Flexibility is integral to the CDM-Qx, with a variety of configuration options and support for an assortment of interfaces. Data rates from 10 kbps to 20 Mbps are available with a frequency range of 50 to 90 and 100 to 180 MHz. Turbo Product Coding forward error correction, an array of modulation techniques and optional, built-in redundancy are all featured in the CDM-Qx. This robust product is interoperable with other Comtech EF Data modems, seamlessly integrating into existing networks.

CDM-Qx is the first Comtech EF Data modem to present the powerful DoubleTalk™ Carrier-in-Carrier™ functionality. Designed for bandwidth compression, Carrier-in-Carrier is based on Applied Signal Technology's DoubleTalk™, which uses "Adaptive Cancellation," a patent pending technology that allows full duplex satellite links to transmit concurrently in the same segment of transponder bandwidth. This added dimension can result in a significant improvement in satellite transponder utilization. For example, with a symmetric full duplex link, CDM-Qx with the DoubleTalk Carrier-in-Carrier option provides a guaranteed minimum bandwidth savings of 30% compared to an IESS-310 configuration utilizing 8-PSK Trellis Coded Modulation and Reed-Solomon forward error correction. The typical bandwidth savings are even greater. To download a white paper outlining the benefits of DoubleTalk Carrier-in-Carrier, please visit http://ftp.comtechefdata.com/linksite/manuals/whitepapers/.

The CDM-Qx platform was designed to accommodate the needs of satellite operators, service providers and enterprise users. It addresses common challenges encountered when utilizing satellite communications, including the requirement for increasing throughput of point-to-point links without utilizing additional transponder resources, the need to expand networks with multiple modulators and/or demodulators and limited rack space.

Pricing and Availability

We are now accepting orders for the CDM-Qx. Please contact Comtech EF Data Sales for specific configuration options, pricing and availability.

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