



CDM-QxL Multi-Channel Satellite Modem New Product Release

Product Bulletin
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Another new satellite modem with the revolutionary DoubleTalk™ Carrier-in-Carrier® technology is now available from Comtech EF Data, the CDM-QxL Multi-Channel Satellite Modem. This new offering is the L-Band version of the CDM-Qx that was introduced in 2005.

The CDM-Qx and CDM-QxL are the first multi-channel satellite modems, with modular architecture packaged in 1 RU chassis. Designed with the needs of satellite operators, service providers and enterprise users in mind, they offer exceptional flexibility, integration and performance. The unique 4-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 the optional DoubleTalk™ Carrier-in-Carrier® technology that allows the transmit and receive carriers of a full-duplex satellite link to be transmitted in the same transponder space.

CDM-Qx and CDM-QxL with DoubleTalk Carrier-in-Carrier, address common challenges encountered when utilizing satellite communications, including:

- Reducing operating expenses (OPEX) for full-duplex links
- Increasing throughput of full-duplex links without using additional transponder resources
- Increasing availability of full-duplex links without using additional transponder resources
- Reducing capital expenses (CAPEX) by allowing a smaller BUC/HPA and/or antenna
- Managing limited rack space

Key features of CDM-QxL include:

- IF: 950 to 1950 MHz
- DoubleTalk Carrier-in-Carrier bandwidth compression capability (option)
- Four slot chassis, allowing flexible configuration
 - 1 or 2 modems
 - Up to 4 modulators
 - Up to 4 demodulators
- Data Rate: 32 kbps to 20 Mbps
- Data Interface: EIA-422, V.35, Sync EIA-232, G.703 (E1/T1) and HSSI
- BPSK, QPSK, 8-PSK and 16-QAM operation
- Range of Forward Error Correction (FEC)
 - Viterbi 1/2, 3/4 and 7/8
 - Concatenated Reed Solomon 1/2, 2/3, 3/4 and 7/8
 - Optional: Turbo Product Coding, IESS-315 Compliant
- Enhanced D&I++ (option)
- SNMP, http and telnet for M&C
- EDMAC & AUPC
- Spectrum Analyzer Function
- Common frequency reference for all modules
- Individual modulator output power control

For additional information on the CDM-QxL, refer to the datasheet and user documentation available on our web site, www.comtechefdata.com. To place an order, please contact your Comtech EF Data sales associate.

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