

## News Release

### COMTECH EF DATA RELEASES FLEXIBLE, HIGH PERFORMANCE MULTI-CHANNEL SATELLITE MODEM

*First Commercial Availability of DoubleTalk™ Carrier-in-Carrier™ Bandwidth Compression*

**TEMPE, Arizona, September 27, 2004** – Comtech EF Data Corporation, a subsidiary of Comtech Telecommunications Corporation (NASDAQ: CMTL), announced today 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.

"By combining our advanced forward error correction, modulation techniques and Carrier-in-Carrier, the CDM-Qx can deliver unprecedented operating expense savings," said Daniel Enns, senior vice president strategic marketing and business development.

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.

**About Applied Signal Technology, Inc.**

Applied Signal Technology designs, develops and manufactures signal processing equipment to collect and process a wide range of telecommunications signals for reconnaissance, certain industrial applications and defense communications systems. Please visit [www.appsig.com](http://www.appsig.com) for more information.

**About Comtech EF Data Corporation**

Comtech EF Data Corp. manufactures a broad spectrum of Data and RF products for satellite communications, including Satellite Modems, Network Monitor and Control Software, TCP/IP Performance Enhancement Proxy, Converters, Solid State Power Amplifiers, Transceivers and Satellite Terminals. All products meet or exceed the standards published by Intelsat<sup>®</sup>, Eutelsat, Insat, AsiaSat and other worldwide and regional satellite networks. Please visit [www.comtechefdata.com](http://www.comtechefdata.com) for more information.

Certain information in this news release contains statements that are forward-looking in nature and involve certain significant risks and uncertainties. Actual results could differ materially from such forward-looking information. The Comtech Telecommunications Corp Securities and Exchange Commission filings identify many such risk and uncertainties. Any forward-looking information in this news release is qualified in its entirety by the risks and uncertainties described in such Securities and Exchange Commission filings.

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