Comtech EF Data is pleased to announce the availability of the CDM-570L Satellite Modem. Ideal for optimizing L-Band satellite communications, this low cost modem features data rates from 2.4 kbps to 5 Mbps, fast acquisition, second generation Turbo Product Coding and a variety of modulation techniques.

Designed for enterprise applications, this robust offering optimizes satellite communications and provides many of the advanced features previously only available in higher-end modems. Flexibility and cost-effective performance are integral to the CDM-570L, with interfaces and options to meet virtually any network environment. Available interfaces include synchronous EIA422/530, V.35, EIA232 and G.703 T1/E1.

The second generation of Turbo Product Coding (TPC), the industry's most bandwidth efficient forward error correction, previously available only in Comtech EF Data's high-end modems is now offered as an option for the low cost CDM-570L. TPC provides increased coding gain and lower decoding delay. Other forward error correction options supported in the CDM-570L are Viterbi, Reed-Solomon and Pragmatic Trellis Coding Modulation (TCM). Featured modulation techniques are Phase Shift Keying (PSK) and Quadrature Amplitude Modulation (QAM), specifically, 8-PSK, BPSK, QPSK, OQPSK and 16-QAM, with code rates spanning from Rate 5/16 through Rate 0.95 depending on modulation type.

The CDM-570L enables both local and remote configuration and management, offers a built-in redundancy controller plus supports a special feature to control the distant end of a satellite link using Comtech EF Data's proprietary overhead channel, called Embedded Distant-End Monitor and Control (EDMAC). The EDMAC mode is transparent to the user and requires no additional equipment or cabling. The Automatic Uplink Power Control (AUPC) feature can be used in conjunction with EDMAC, enabling the modem to automatically adjust its output power to maintain the Eb/No of the remote end of the satellite link constant for protection against rain fading.

Packaged in a rack-mountable 1U enclosure, the advanced architecture is based on Field Programmable Gate Array (FPGA), with internal Flash memory for simplified field updates. The CDM-570L is also compatible with a number of Comtech EF Data modems, making it possible for existing customers to seamlessly add this powerful platform into their installed networks.

In a forthcoming release, Comtech EF Data will offer an optional IP Module for the CDM-570L. This module will provide advanced features for maximizing satellite link efficiency in IP networks. Supporting point-to-point and point-to-multi-point configurations, the easyConnect™ feature will allow simplified set up and configuration. With this Module enabled, the CDM-570L modem will support static IP routing for unicast and multicast, and will be manageable via SNMP, web interface or telnet. The expanded, optional features of the IP Module will include Header Compression, Payload Compression, Quality of Service (QoS) and 3xDES data encryption.

If you have any questions about this announcement, please contact your Comtech EF Data sales associate.

e-mail: sales@comtechefdata.com   **Voice: 480.333.2200**   **Fax: 480.333.2540**