

## News Release

### COMTECH EF DATA INTRODUCES NEW L-BAND SATELLITE MODEM

*Advanced, High Performance Modem Designed for Military Applications Requiring OM-73 Support*

**TEMPE, Arizona, February 3, 2004** – Comtech EF Data Corp., a subsidiary of Comtech Telecommunications Corp. (NASDAQ: CMTL), announced today the release of the CLM-9600L Satellite Modem. This advanced, high performance L-Band satellite modem is ideally suited for military applications, offering variable data rates from 2.4 kbps to 20 Mbps, providing high-level modulation techniques, operating with an array of forward error correction codecs and supporting OM-73 plus other scrambling methods.

The CLM-9600L Satellite Modem provides the industry's most bandwidth efficient forward error correction and modulation. By deploying the optional Turbo Product Coding (TPC), the inherent decoding delay is significantly reduced, enabling optimization on even marginal satellite links. Comtech EF Data's TPC also offers increased coding gain, lower decoding delay plus significant bandwidth savings. Other forward error correction options for the CLM-9600L are Viterbi, Sequential and Reed-Solomon. Featured modulation techniques are Phase Shift Keying (PSK) and Quadrature Amplitude Modulation (QAM), specifically, 8-PSK, BPSK, QPSK, OQPSK and 16-QAM.

"The CLM-9600L supports both Self-Synchronizing and Synchronous Scrambler/Descrambler modes. Specifically tailored to secure, military applications the OM-73 method of scrambler/descrambler is included as a standard offering," said Daniel Enns, senior vice president strategic marketing and business development.

Management of the CLM-9600L can be done both locally or remotely. The modem can be configured and monitored from the front panel featuring a Vacuum Florescent Display (VFD), a keypad and eight LED indicators, or through the remote Monitor and Control port. And, in closed network configurations, a special feature can be utilized to control the distant end of a satellite link using a Comtech EF Data 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. For further advanced control of the remote end, 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.

This newest member of Comtech EF Data's bandwidth efficient satellite modem product line includes a universal data interface that eliminates the need to exchange interface cards for different applications. The interfaces offered include EIA-422/530, V.35, Synchronous RS-232, G.703, Low Voltage Differential Signal (LVDS) and High Speed Serial Interface (HSSI).

"Extremely powerful and flexible, the rack-mountable CLM-9600L incorporates a number of optional features. Customers can enable the required features initially, and as configuration requirements change in the future, they can upgrade their systems to include additional advanced options," Enns said.

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The CLM-9600L operates with most major satellite systems, including Intelsat<sup>®</sup>, PanAmSat<sup>®</sup>, SES Americom, Loral Skynet<sup>®</sup> and all U.S. domestic satellites. The CLM-9600L is fully compatible with modems from other manufacturers that are compliant with the IESS-308/-309/-310/-314/-315 specifications.

**About Comtech EF Data Corporation**

Comtech EF Data Corp. manufactures a broad spectrum of Frequency Up and Down Converters, Solid State Power Amplifiers, Satellite Modems and Transceivers, Internet-enabled Modems, MultiCast and UniCast Networks and Satellite Bandwidth on Demand Systems. 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 Company's 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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