



CDM-570/570L Software Release v1.5.1

Product Bulletin
March 14, 2006

Comtech EF Data is pleased to announce a new base modem release for the CDM-570 and CDM-570L Satellite Modems, Version 1.5.1. Included in the release are a number of new features, which are summarized below.

Expanded Data Rate Support

Now supporting operation up to 9.98 Mbps and 3 Msps, new data rate FAST options are available for the CDM-570 (70/140 MHz model) and the CDM-570L (L-Band model). The new, higher data rates are dependant on modulation and forward error correction, and are as follows:

Forward Error Correction	Modulation	Data Rate Range
Viterbi or Turbo Product Coding	QPSK Rate 3/4	7.2 kbps to 4.5 Mbps
Viterbi or Turbo Product Coding	QPSK Rate 7/8	8.4 kbps to 5.25 Mbps
Viterbi or Turbo Product Coding	QPSK Rate 0.95	9.1 kbps to 5.66 Mbps
Turbo Product Coding	8-PSK Rate 3/4	10.8 kbps to 6.75 Mbps
Turbo Product Coding	8-PSK Rate 7/8	13.6 kbps to 7.875 Mbps
Turbo Product Coding	8-PSK Rate 0.95	15.3 kbps to 8.5 Mbps
Viterbi or Turbo Product Coding	16-QAM Rate 3/4	14.4 kbps to 9.0 Mbps
Viterbi or Turbo Product Coding	16-QAM Rate 7/8	16.8 kbps to 9.98 Mbps

Modems already deployed can be easily field-upgraded to support the higher data rates. Simply load the new software version v1.5.1 and contact your Comtech EF Data sales associate to order your FAST upgrade (additional charge is applicable).

Enhanced M & C

SNMP Menus

Simple Network Management Protocol (SNMP) menus were added to enable the configuration of parameters from the Front Panel.

FSK

FSK support of the CSAT-5060 C-Band Transceivers and the KST-2000A/B Ku-Band Transceivers from the CDM-570 (70/140 MHz) Satellite Modem is now offered. The Transceivers can be monitored and controlled through multiple interfaces including Modem Front Panel, Serial Remote Port and Base Modem's Ethernet Interfaces (HTTP, SNMP and Telnet). Two new SNMP MIB files are included in the zip file containing the v1.5.1 software.

Front Panel Lockout

Additionally, a front panel lockout feature is now available. When the CDM-570 and CDM-570L are configured for "remote mode" control, this new feature locks out the ability to configure the modem locally. However, the configuration parameters can still be viewed locally.

Other Enhancements

Rx Buffer Size

The remote command Rx Buffer Size (RBS) is expanded to support the small receive buffer sizes of +/- 128 bits, +/-256 bits and +/-512 bits. These new options are also selectable from the front panel.

IP Module

Enhanced functionality was added to the base modem firmware in support of the optional IP Module, including:

- Supports Classless Inter-Domain Routing (CIDR) or the aggregation of networks into “supernetting” of IP addresses.
- When v1.5.3 or later of the optional IP Modules is installed, enables upgrading the base modem firmware via the IP Module.

Obtaining the New Software

This new software can be downloaded from our web site, www.comtechefdata.com under the “Downloads” section.

Important Note: Modems that will be upgraded to v1.5.1 **must** first be operating with v1.4.4 or later software. Otherwise, v1.5.1 cannot be properly installed.

For additional detail on the features described above, please refer to the user documentation for the CDM-570/570 Satellite Modems.

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

e-mail: sales@comtechefdata.com

Voice: 1.480.333.2200

Fax: 1.480.333.2540



2114 West 7th Street
Tempe, Arizona 85281 USA
Tel: 1 480 333 2200
Fax: 1 480 333 2540
www.comtechefdata.com