



CDM-570L

Vipersat Management System Integration & New Software Releases

Product Bulletin
September 23, 2004

Integration with Vipersat Management System

Comtech EF Data is pleased to announce the release of a new module for the CDM-570L Satellite Modem that enables full integration with the Vipersat Management System. When the CDM-570L is configured with the IP Module, it can now be integrated with the Vipersat Management System (VMS) to provide a fully automated network and capacity management tool designed specifically for satellite networks. VMS, which has been deployed globally for the last six years, provides traditional monitor and control functions more efficiently than other M & C protocols, and now allows enhanced capacity and bandwidth management capabilities for the CDM-570L Satellite Modem. VMS gives satellite service providers and enterprise operators the ability to dynamically adjust bandwidth utilization based on application, load or schedule.

VMS also allows the CDM-570L Satellite Modem to switch from shared to dedicated mode. Inbound transmissions from remotes can be switched from a shared Selective Time Division Multiple Access (STDMA) mode to a dedicated Single Carrier Per Channel (SCPC) connection manually or automatically, triggered by application or load, or on a scheduled basis. This enables the network to more effectively handle connection-oriented applications and reduces both latency and network congestion. Through VMS, dynamic point-to-point mesh connections can be established between remotes. The result is an economical and flexible network, enabling bandwidth to be shared and directed where it is needed for any mix of IP voice, video or data traffic.

Pricing and Upgrades

New CDM-570L Satellite Modems can be purchased with the IP Module and VMS integration options. Additionally, existing customers with installed CDM-570Ls can upgrade to this new, powerful functionality. The upgrade involves several components:

- Base Modem – New software release, Version 1.2.1
 - This release is required for the CDM-570L to integrate with VMS. It also provides significant performance improvements for fast acquisition and enables reflash via the USB or Ethernet port.
- IP Module – New software release, Version 1.4.2
 - This release enables integration of the IP Module with Vipersat Management System. It also provides two additional enhancements:
 - Supports BOOTstrap Protocol (BOOTP) Forwarding Agent, RFC 951 and RFC 1542 – Enables network device to obtain its IP address and other network information, such as default gateway, from the centralized Dynamic Host Configuration Protocol (DHCP) server, over the network through CDM-570L IP-enabled modems.
 - Provides Denial of Service (DoS) attack protection – A number of viruses have installed DoS engines on unsuspecting PCs and servers along with a delay timer that eventually mounts a simultaneous attack on an IP address from many sources. The IP module now helps guard against assaults on an IP address to overwhelm it with packets and make it unavailable to legitimate users.
- New VMS Integration Software Module
 - This module enables the integration of the IP-enabled CDM-570L Satellite Modem with the advanced Vipersat Management System.
- Vipersat Management System and Server

We are now accepting orders for both new systems and upgrades. Please contact Comtech EF Data Sales for more information.

e-mail: sales@comtechefdata.com

Voice: 480.333.2200

Fax: 480.333.2540