

CDM-710G High-Speed Satellite Modem



Comtech EF Data is pleased to announce the introduction of 1:1 and 1:N redundancy support for the CDM-710G High-Speed Satellite Modem. 1:1 redundancy is provided by the CRS-170A (L-Band) and CRS-180 (70/140 MHz) switches and 1:N redundancy uses the CRS-300 switch.

DVB-S2 Based

The CDM-710G High-Speed Satellite Modem supports DVB-S2 QPSK, 8-PSK, 16-APSK and 32APSK modulation up to 45 Msps and data rates exceeding 124 Mbps depending on the modulation type and code rate. The modem operates in the constant coding and modulation (CCM) mode and has selections for pilots ON/OFF and spectral rolloff at 20, 30 or 45%. Software based options are added to the unit using FAST (Fully Accessible System Topology) upgrade.

Unit management is available from the front panel keypad / display, web browser, SNMP or Telnet.

Data Transmission

The CDM-710G supports transmission of non-MPEG data over satellite links using DVB-S2 techniques developed for Digital Video Transmission (DVB) applications. The modem features DVB-S2 Low Density Parity Check (LDPC) with near Shannon limit performance. This includes the wide range of modulation and code rate formats for optimizing available bandwidth and power.

High speed connectivity from 1 to over 124 Mbps with arbitrary data formats is supported for broadband enterprise, Telco, ISP and network provider applications with three key data interfaces:

- CDI-10-1 G.703 Interface at an E3, T3 or STS-1 data rate
- CDI-60 High Speed Serial Interface (HSSI) Interface for connection to routers and similar equipment
- CDI-70 Gigabit Ethernet 10/100/1000 BaseT Interface supporting up to 1632 byte Ethernet packets

Providing the flexibility to support a flexible range of network topologies, the available configurations for the CDM-710G are:

- Modulator only
- Demodulator only
- Full duplex modem

All three configurations are housed in the same 1RU chassis with either 70/140 MHz or L-Band operation.

Applications

The CDM-710G's bandwidth and power-efficient operation is ideally suited for:

- Transmission of non-transport stream data (Referred to as Generic Data in DVB-S2)
- Business enterprise data distribution
- Broadband Interactive and Internet services
- Any networking application relying on:
 - Point-to-point transmission
 - Point-to-multipoint transmission
 - Arbitrary topology

To learn more about the CDM-710G High-Speed Satellite Modem, please refer to the datasheet and user documentation available on our web site, www.comtechefdata.com. To place your order, please contact your Comtech EF Data sales associate.



sales@comtechefdata.com



+1.480.333.2200



+1.480.333.2540