



Comtech EF Data is pleased to announce the general availability of the CDM-700 High Speed Satellite Modem. This advanced platform provides bandwidth and power efficient transport of broadband data for satellite links. It is ideal for high-speed operation up to 155.52 Mbps, and is available with several data interfaces.

The CDM-700 Satellite Modem addresses key market needs – increasing and multiplexing terrestrial data rates, while decreasing operating expenses via less occupied bandwidth and reduced transponder power. It functions in point-to-point and point-to-multipoint environments, and supports duplex or receive only operation.

Available in either 70/140 MHz or L-Band versions, the CDM-700 Satellite Modem operates at data rates ranging from 1.5 – 155.52 Mbps. It supports higher order modulation and bandwidth efficient forward error correction – QPSK, 8-PSK, 16-QAM or 64-QAM with 2nd Generation Turbo Product Coding (TPC). The CDM-700 High Speed Satellite Modem is best suited for high speed and high efficiency operation in Internet service provider, disaster recovery, circuit restoration, government and enterprise applications.

The CDM-700 High Speed Satellite Modem features two slots for inserting optional field changeable data interface modules. The modem has a built-in multiplexer to combine data ports together in a single carrier for efficient transmission over satellite links. This can lower the required transponder power and reduce the number of modems needed for data transport. Available data interfaces are:

Data Interface	Description
CDI-10 Dual G.703	<ul style="list-style-type: none"> Two independent Tx/Rx ports on a single data interface card Each port is programmable for E3, T3, STS-1 (34.368, 44.768 or 51.84 Mbps)
CDI-50-1 OC-3 / STM-1	<ul style="list-style-type: none"> OC-3 Single mode fiber or STM-1 G.703 coaxial at 155.52 Mbps
CDI-60 HSSI	<ul style="list-style-type: none"> Standard 50 pin SCSI connector operating to 52 Mbps
CDI-70 Gigabit Ethernet	<ul style="list-style-type: none"> 10/100/1000 BaseT Ethernet port up to 155.52 Mbps

The CDM-700 allows users to easily fill the gap between 52 and 155.52 Mbps while using standard interfaces, including G.703. By combining and internally multiplexing data interfaces into a single carrier more satellite power is available and multi-carrier intermodulation is eliminated.

This powerful and flexible offering by Comtech EF Data optimizes satellite communications by lowering transponder power, offering increased coding gain, lowering decoding delay and providing significant bandwidth savings.

For additional detail on the features described above, 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