



The 500 Series Satellite Modem product line is now expanded with the introduction of the CDD-562L Dual Demodulator. The CDD-562L is a companion product to the IP-enabled CDM-570 and CDM-570L Satellite Modems, the CDD-564 and CDD-564L Quad Demodulators, and the *turboIP*<sup>®</sup> Performance Enhancement Proxy.

The CDD-562L Dual Demodulator includes two demodulators, an integral router and IP Module. The CDD-562L receives two, independent L-Band channels and combines them into a single, network-ready, 10/100BaseT Ethernet port. It is housed in a 1RU chassis, which can simplify hub site installations and reduce rack space and costs. A bank of CDD-562L demodulators is ideal for a star network consisting of a single outbound carrier at the hub with multiple carriers returned from the remote sites. At remote sites, the CDD-562L supports mesh connectivity between multiple sites. Operating in mesh topology with links directly between sites eliminates double-hops through the hub, which can conserve bandwidth and reduce latency.

The CDD-562L Dual Demodulator supports 2<sup>nd</sup> Generation Turbo Product Coding forward error correction and QPSK, 8-PSK or 16-QAM Modulation options. It offers fast acquisition, 950 to 1950 MHz frequency and support for 16 kbps to 9.98 Mbps data rates. Other features provided with this new product are:

- LNB support: 10 MHz reference and LNB power
- Static IP routing for unicast and multicast
- Powerful network management via SNMP, Web or Telnet
- IGMP v1
- Point-to-Point or Point-to-Multi-Point configuration
- 10/100BaseT Ethernet data interface (RJ-45)
- Reflash using FTP via Ethernet port or WAN port
- FAST feature upgrades from factory or field
- Front Panel LEDs for Unit Status, Stored Event and the status of each of the two receive channels
- Interoperability with the CDM-570L with IP Module, CDM-IP 550 and CDM-IP 300L


And, similar to other Comtech EF Data IP-enabled modems, the CDD-562L supports optional, advanced IP functionality.


- Quality of Service (QoS) – the CDD-562L transparently passes through QoS prioritization established at the transmit end by the CDM-570/570L.
- Header Decompression – Configurable on a per demodulator basis, header decompression reduces the required Voice over Internet Protocol (VoIP) bandwidth by as much as 60%.
- Payload Decompression – Compressing payload reduces both the data frame size and satellite bandwidth required to transmit across the link. Configurable on a per demodulator basis, payload compression optimizes traffic and reduces bandwidth up to 40%.
- 3xDES Data Decryption – Prevents unauthorized access to data over the satellite link, and is configurable on a per demodulator basis

We are now accepting orders for the CDD-562L. Please contact Comtech EF Data Sales for pricing and availability.

For additional detail on the features described above, please refer to the datasheet and user documentation available on our web site, [www.comtechefdata.com](http://www.comtechefdata.com). To place your order, please contact your Comtech EF Data sales associate.

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