

Compact Multi-Band Data Link (CMDL)



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CMDL is on the leading edge of miniaturized, high-performance, wideband data links. Operating in Ku-, C-, L- or S-band, with both analog and digital waveforms, the CMDL provides users maximum flexibility and performance. It is interoperable with a wide range of military and commercial data link products, including most Tactical Common Data Link (TCDL) and ROVER™ terminals, as well as select COFDM (DVB-T) receiver waveforms.

Key Features

- Full-duplex, quad-band modem
- Compact, low SWaP
- Forward error correction and encryption
- Mission-selectable RFE and antenna with selectable digital and analog waveforms, and data rates up to 45 Mbps

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Product Description

The CMDL is ideal for UAVs, targeting pods, rotary- and fixed-wing platforms, and other airborne terminals that coordinate with ground forces outfitted with ROVER™, TCDL and COFDM equipment. Band and configuration are determined through a selection of RFE, antenna and mission computer interfaces. Configurations include duplex and transmit-only. CMDL provides the ability to transmit and receive

sensor data, imagery, streaming video, discrete data, and command and control data. It enhances air and ground coordination, reducing time-on-target for close air support and providing situational awareness, targeting, surveillance and battle damage assessment. Applications include ISR, direct action, convoy protection and other time-critical operations where eyes-on-target are essential.



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