L3HARRIS®
FAST. FORWARD.

UNIVERSAL GROUND DATA TERMINAL (UGDT)

A tactical, transportable broadband CDL ground terminal

L3Harris Universal Ground Data Terminal (UGDT) is the standard ground configuration for U.S. Army UAVs. The UGDT incorporates a primary link and a secondary link for Line-of-Sight (LOS) communications, and couples the power of modularity and scalability with the rewards of parts commonality and packaging flexibility.

PRODUCT DESCRIPTION

L3Harris's UGDT allows warfighters with broadband data, voice and video services to connect to airborne assets using LOS communications of up to 274 Mbps. The UGDT leverages L3Harris' third-generation TCDL architecture of Common Modules (cPCI), Common Module Carriers and an extensive family of RF and antenna solutions. Using an antenna that is capable of both RF tracking and navigation tracking, the UGDT forms the most interoperable and scalable system in the military's broadband networking inventory. As part of the UGCS, our UGDT is the primary surface communications component for PMUAS and the U.S. Army's fleet of UASs. Interoperable with numerous data link products including CDLs, TCDLs and ROVER® products demonstrates its proven capability.

Provides the battlefield ISR situational awareness and network connectivity

KEY FEATURES

- Architecture supports theater-wide networking
- UGDT includes:
  - Ku-Band primary link and a UHF secondary link LOS capability
- LOS communications:
  - STD-CDL to 274 Mbps
  - Bandwidth-efficient modes to 10 Mbps

L3Harris.com

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Local Equipment Assembly

- Ku-Band Type 1 encryption (available)
- Mux and demux functions (when needed)
- Size: 21" (w) x 11" (h) x 21" (d)

Remote Equipment Assembly

- Separated from LEA by up to 1 km via a fiber-optic cable
- Modem functions for all waveforms on single card
- IF-to-RF frequency conversion for Ku-band
- UHF AES encryption
- Size: 23" (w) x 10" (h) x 26" (d)

48" Antenna

- Ku-Band LOS
- Size: 48" (dia) x 48" (d) x 72" (h)
- Floppable RFE

PHYSICAL CHARACTERISTICS (CONTINUED)

Full System

- Total weight: 825 lb. (755 lb. without cables)
- Total power: 745 W at 120 VAC 60 Hz
  700 W at 28 VDC (antenna and RFE)

System (without antenna)

- Total weight: 515 (445 lb. without cables)
- Total power: 745 W at 120 VAC 60 Hz
  200 W at 28 VDC (RFE)

PERFORMANCE CHARACTERISTICS

LOS Link Configuration

- 48” antenna
- Ku-Band
- Up to 274 Mbps (downlink), 137 Mbps (uplink)

User Interfaces

- 10/100 Base-T Ethernet (3 each)
- Gigabit Ethernet (1 each)

Waveforms

- STD-CDL (274 Mbps Ku-Band)
- Bandwidth-efficient modes

Universal Ground Data Terminal (UGDT)

L3Harris Technologies is the Trusted Disruptor in the defense industry. With customers’ mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit L3Harris.com for more information.

L3HARRIS®

1025 W. NASA Boulevard
Melbourne, FL 32919

L3Harris.com