MIDS LVT 1

Today's wars are being waged against an unconventional enemy in challenging environments. The exchange of critical real time information among air, land and sea forces is more important than ever. This increased situational awareness saves lives and enhances mission effectiveness.

The Multifunctional Information Distribution System (MIDS) Low Volume Terminal (LVT) 1 provides the critical airborne, maritime and ground link in the Joint and Combined Warfare arena allowing the simultaneous coordination of all forces in the area of operation while maintaining unmatched situational awareness. The flexibility of applications across the operational domains from airborne, ground and maritime C2 to high performance aircraft situational awareness coupled with regional repair and support facilities and high terminal reliability make the Data Link Solutions LVT 1 family of terminals the choice for U.S. and coalition forces.
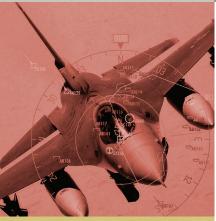
Data Link Solutions – a joint venture between BAE Systems and Rockwell Collins - has more than 20 years of experience providing affordable, high performance, high reliability data link terminals for coalition forces. Our extensive installed base and 24/7 global support network make DLS the right choice for your data link requirements.

Terminal Characteristics

- Full Link 16 interoperability
  - TADIL-J
  - IJMS
- Dual antenna transmit and receive
- 1 ATR form factor
  - (9.75 in W x 13.5 in D x 7.6 in H)
- Terminal weight – 49.0 lb

  (additional 14.3 lb for RPS)
- Open architecture
  - VME/RS-422 buses
  - SEM-E cards
- Planned growth
  - High throughput
  - Postured for Link 16 modernization

Performance Characteristics

- 1 W, 40 W, 200 W

  (1 kW PA applique available)
- Pseudo-random frequency hopping
- 51 frequencies - 969 to 1206 MHz L-band
- Frequency hop rate - 13 µs
- 238 Kbps data rate/expandable to 2 Mbps
- Jam resistant and crypto secure
- 128 possible nets
- Multinetting capable

Functional Capabilities

- Position, location identification messages
- Relative and geodetic navigation
- Adaptive host interface processing
- Totally interoperable with JTIDS
- Applicable to all military services
- NATO interoperability
- Relay
- Voice
- 1553 I/O
- TACAN

DLS
DATA LINK SOLUTIONS