

MIDS-LVT(1) RUGGEDIZED MOBILE SYSTEM

MIDS Support Equipment

The L3Harris Multifunctional Information Distribution System (MIDS)-Low Volume Terminal (LVT) (1) Ruggedized Mobile System is an all-in-one, transportable case unit for the MIDS-LVT(1) terminal and its variants. Outfitted with all of the support equipment required to fully operate a MIDS-LVT(1) terminal, this mobile system alleviates all of the hardware challenges normally associated with getting your terminal integrated with your Link 16 host and operational in the network.

PRODUCT DESCRIPTION

The mobile system features the L3Harris Multi-Platform Integrated Controller (MIC), a rugged control unit that offers both local and remote operation through an easy-to-operate web interface:

- > Terminal Power
- > Crypto Hold
- > LTTI
- > IFF Emergency
- > Fail Decode
- > Platform (IOIDENT) Configuration
- > 1553 Address (RTAD)
- > Crypto Zeroize

The MIC offers a standard fill connector interface to the MIDS-LVT(1) for ease of loading crypto with standard fill devices.

The mobile system also includes the L3Harris Multi-Platform Audio Component (MAC), a rugged interface unit that provides independent or simultaneous dual-channel Link 16 voice (receive and transmit). It features a custom built 30 W quad-speaker system that has been tuned to enhance audio quality. The MAC is compatible with most headsets and handsets and is also controlled through the same, intuitive web interface that is provided by the MIC.

This full-complement system contains all the hardware needed to power and control your terminal. It is suitable for use in all venues, including operational, training, demonstrations and testing.



Rugged, Transportable, Ready-To-Use

KEY FEATURES

Features

- > Multi-Platform Integrated Controller (MIC)
- > Multi-Platform Audio Component (MAC)
- > Enhanced cooling tray
- > Power and I/O panel for input power to the mobile system as well as standard interfaces to the MIDS-LVT(1) terminal:
 - MIDS Support Port/Ethernet (RJ45)
 - 1553 (TRB)
 - Link 16 1PPS ETR Input – 10v, 50ohm (BNC)
 - Link 16 Antenna A (NTYPE)
 - MIC Web Interface (RJ45)
 - GPS 1PPS Output (BNC)
 - GPS USB Serial Console (USB-B)
- > Enhanced DC power supply. It is preprogrammed to provide ± 140 VDC power required by the MIDS-LVT(1) terminal
- > Integrated IFF 1030/1090 MHz notch filter for added protection and mitigation of IFF interference
- > Internal rack GPS to provide Link 16 1PPS ETR strobe and access to NMEA streams for an external host system via a USB serial connection
- > Link 16 RF termination load is installed in the system to provide Antenna B with proper termination for safe operation

SPECIFICATIONS

PERFORMANCE

- > Input Power: 120 VAC 60 Hz, 20 amp (IEC C20)
230/240 VAC 50 Hz, 10 amp (IEC C14)
- > Dimensions: 18.1" (w) x 22.5" (h) x 34.5" (d)
- > Weight (Approximate): 200 lbs

STANDARD CABLES

- > W2, W3 and W7: Link 16 Voice/Data/Control
- > W4: Crypto
- > W10 and W11: Link 16 RF Cables
- > RPS 280VDC: Power Cable

STANDARD ACCESSORIES

- > 120 VAC Input Power Cable, NEMA 5-20P to IEC C19 (specify if international cables are required)
- > W1, W12 & W56 – LVT-1 RPS TO MT Cables
- > BNC to BNC 1PPS Jumper Cable
- > H-250 Handset
- > User Guide

PARTS DESCRIPTION

- > MIDS-LVT(1) Ruggedized Mobile Rack

MIDS-LVT(1) Ruggedized Mobile System

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