

### RUGGED, TRANSPORTABLE, READY-TO-USE



The Viasat MIDS-LVT(2)/(11) Ruggedized Mobile System is a small, transportable case unit for the MIDS-LVT(2)/(11) terminal. Outfitted with all of the support equipment required to fully operate a MIDS-LVT(2)/(11) 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.

The mobile system features the Viasat 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
- » Power Conditioner Failure Indication
- » Air Filter Service Indication
- » Blower Failure Indication
- » Platform (IOIDENT) Configuration
- » Crypto Zeroize

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

The mobile system also includes the Viasat 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.

### MOBILE SYSTEM AT-A-GLANCE

#### Features

- » Multi-Platform Integrated Controller (MIC)
- » Multi-Platform Audio Component (MAC)
- » MIDS-LVT(2)/(11) sliding shelf for easy access
- » Power and I/O panel for input power to the mobile system as well as standard interfaces to the MIDS-LVT(2)/(11) terminal:
  - MIDS Support Port/Ethernet (RJ45)
  - 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  $\pm 140$  VDC power required by the MIDS-LVT(2)/(11) 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

#### Ordering Information

PN: 1265285      MIDS-LVT(2)/(11) Ruggedized Mobile Rack

## SPECIFICATIONS AND TECHNICAL FEATURES

### PERFORMANCE

<b>Input Power</b>	120 VAC 60 Hz, 20 amp (IEC C20) 230/240 VAC 50 Hz, 10 amp (IEC C14)
<b>Dimensions</b>	18.1 x 22.5 x 34.5 in.
<b>Weight (Approximate)</b>	200 lbs

### STANDARD CABLES

» <b>W2, W3 and W7</b>	Link 16 Voice/Data/Control
» <b>W4</b>	Crypto
» <b>W10 &amp; W11</b>	Link 16 RF Cables
» <b>PSA 28VDC</b>	Power Cable

### STANDARD ACCESSORIES

- » Input Power Cables
  - 120 VAC NEMA 5-20P to IEC C19
  - 230/240 VAC AS/NZ4417 to IEC C13
  - 230/240 VAC CEE 7/7 EURO SCHUKO to IEC C13
  - (please specify if other international cables are required)
- » BNC to BNC 1PPS Jumper Cable
- » H-250 Handset
- » 4x Ethernet Cables
- » USB-A to USB-B Cable
- » User Guide



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