

### TRANSPORTABLE, READY-TO-USE



The Viasat MIDS JTRS Ruggedized Mobile System is a small, 8U transportable case unit offering a convenient way to operate your Link 16 system. Outfitted with all of the equipment you need for multi-channel operation, this mobile system can be used in any number of venues including operational, training, demonstrations, and testing.

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
- » 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 JTRS 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.

### MOBILE SYSTEM AT-A-GLANCE

#### Features

- » Multi-Platform Integrated Controller (MIC)
- » Multi-Platform Audio Component (MAC)
- » Enhanced cooling tray for simultaneous multi-channel operation
- » Power and I/O panel for input power to the mobile system as well as standard interfaces to the MIDS JTRS terminal:
  - CH1 MIDS Support Port/Ethernet (RJ45)
  - CH2/CH3/CH4 Ethernet (RJ45)
  - CH1/CH3/CH4 1553 (TRB)
  - EHCB (HMIG) Ethernet (RJ45)
  - Link 16 1PPS ETR Input – 10v, 50ohm (BNC)
  - Link 16 Antenna A (NTYPE)
  - CH 3 & 4 Voice (RJ45)
  - CH2/CH3/CH4 RF (SMA)
  - MIC Web Interface (RJ45)
  - GPS 1PPS Output (BNC)
  - GPS USB Serial Console (USB-B)
- » Enhanced DC power supply for simultaneous multi-channel terminal operation. It is preprogrammed to provide  $\pm 140$  VDC power required by the MIDS JTRS 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: 1265286      MIDS JTRS 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
<b>Safety Test Standard</b>	EN 60950-1 Compliant

### STANDARD CABLES

» <b>W2, W3 and W7</b>	Link 16 Voice/Data/Control
» <b>W4</b>	Crypto
» <b>W15 &amp; W16</b>	CH2, CH3 & CH4 Voice/Data/Control
» <b>W10 &amp; W11</b>	Link 16 RF Cables
» <b>W17, W18, W19, W20 &amp; W21</b>	CH2, CH3 & CH4 RF Cables
» <b>RPS 280VDC</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)
- » W105 & W112 – JTRS B & C Power
- » BNC to BNC 1PPS Jumper Cable
- » H-250 Handset
- » 4x Ethernet Cables
- » USB-A to USB-B Cable
- » User Guide



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