

# MIDS JTRS TERMINAL

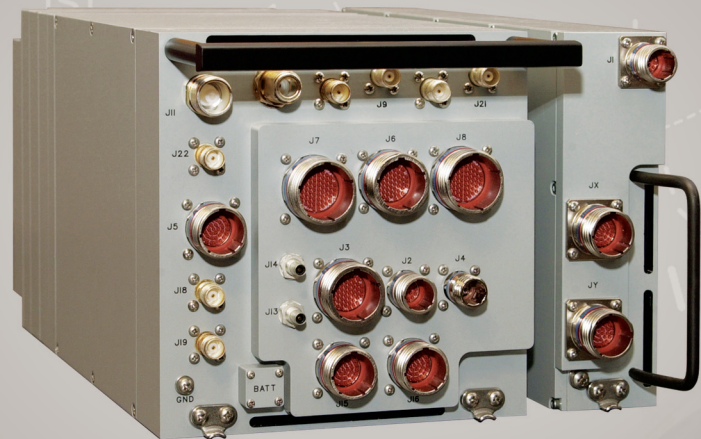
## DESCRIPTION

The Multifunctional Information Distribution System Joint Tactical Radio System (MIDS JTRS) terminal transforms MIDS into a 4-channel JTRS radio while maintaining:

- Current Link 16 and TACAN functionality
- Same physical footprint – reduced integration efforts (form factor compliant)
- Current MIDS connector configuration and position
- Increased functionality
  - Link 16 enhancements including enhanced throughput, frequency re-mapping and programmable crypto
  - Three programmable 2MHz-2GHz channels to implement JTRS waveforms
- Positioned for future
  - Capable of implementing emerging airborne waveforms
  - Future waveform enhancements through software downloads
  - Multi-layer security (4 channels running at MSLS)

## USER BENEFITS

- Architecture ensures interoperability with legacy systems during transition to the Objective Force
- Scalable, flexible, programmable SCA compliant architecture can readily support evolving requirements
- MIDS-JTRS replaces numerous legacy radios, reducing need for excessive spares and logistics support
- Shorter mean-time-to-repair
- Initial waveform Link 16
  - Future increments may support other JTRS waveforms to include SINGARS, HAVEQUICK, EPLRS, SATCOM
- Reduced life-cycle cost due to unique packaging
- Greater capability with lower weight and power requirements
- Waveforms available for all DoD applications
- DLS architecture uniquely addresses DoD requirements providing MIDS-JTRS transition benefits to many other radio programs



*TRANSFORMATIONAL*

*TECHNOLOGY:*

*LINK 16 ENABLING*

*NETWORK CENTRIC*

*WARFARE AND*

*SAVING LIVES*

# MIDS JTRS TERMINAL



RT

RPS

## PHYSICAL CHARACTERISTICS

	Receiver/ Transmitter (RT)	Remote Power Supply (RPS)
• <b>Height:</b> in (mm)	<b>7.6</b> (193.4)	<b>7.6</b> (193.4)
• <b>Width:</b> in (mm)	<b>7.5</b> (190.5)	<b>2.25</b> (57.2)
• <b>Depth:</b> in (mm)	<b>13.5</b> (343.0)	<b>13.5</b> (343.0)
• <b>Weight:</b> lb (kg)	<b>50.6</b> (23.0)	<b>6.5</b> (14.3)
• <b>Volume:</b> ft <sup>3</sup> (liters)	<b>0.45</b> (12.6)	<b>0.135</b> (3.78)

**TRANSFORMATIONAL  
TECHNOLOGY:  
LINK 16 ENABLING  
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WARFARE AND  
SAVING LIVES**

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