

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



PHYSICAL CHARACTERISTICS

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

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

**DATA LINK
SOLUTIONS**
BAE SYSTEMS/Rockwell Collins
Data Link Solutions, L.L.C.

Phone: (319) 295-4357
www.datalinksolutions.net

For more information:

164 Totowa Road, Wayne NJ 07474-0975
Phone: (973) 633-6000
Fax: (973) 633-4375
www.baesystems.com/eis

350 Collins Road NE, Cedar Rapids, IA 52498-0120
Phone: (800) 321-2223 or (319) 295-5100
Fax: (319) 295-4777
E-mail: rockwell@rockwellcollins.com
www.rockwellcollins.com/gs

This document gives only a general description of the product(s) or services and, except where expressly provided otherwise, shall not form part of any contract. From time to time, changes may be made in the products or the conditions of supply.
© 2006 BAE SYSTEMS / Rockwell Collins Data Link Solutions, L.L.C.
Approved for public release by DLS.
P/N 147-0683-000

