



MIDS - LVT

MULTIFUNCTIONAL INFORMATION DISTRIBUTION SYSTEM
LOW VOLUME TERMINAL

- > **MIDS STANAG 4175**
- > **Link 16 STANAG 5516**
- > **Two secure embedded voice channels**
- > **Navigation & Identification**
- > **Transmit power 1 W, 25 W, 200 W**
- > **Embedded TACAN**
- > **Interfaces 1553B bus, ethernet, X25, etc.**
- > **High data rate**

MIDS - LVT

FULL LINK 16 INTEROPERABILITY

The Multifunctional Information Distribution System Low Volume Terminal (MIDS-LVT) guarantees full interoperability between Joint and Allied Forces in accordance with MIDS STANAG 4175 and Link 16 STANAG 5516.

SECURE COMMUNICATIONS

MIDS - LVT provides encrypted transmissions, highly protected against jamming with spread spectrum and very fast frequency hopping techniques.

REAL-TIME SITUATION AWARENESS

MIDS - LVT participates to the tactical picture through Link 16 Precise Position Location and Identification messages and air/surface/ground Tracks reporting.

COOPERATIVE ENGAGEMENT

MIDS - LVT allows cooperative engagement of the Joint forces through Surveillance, ASW, EW, Command and Control Link 16 message exchanges.

NAVIGATION

MIDS - LVT offers an accurate relative positioning of the host platforms. It performs as well the TACAN function according to STANAG 5034.

INTEGRATION

The MIDS - LVT is low weight and allows a wide range of host platforms.

AIRWORTHY AND TEMPEST

Environmental conditions in accordance with MIL-STD-810 and MIL-STD-461.

GENERAL CHARACTERISTICS

Frequency band	960 - 1215 MHz		
Functions	Data Link	Link 16, IJMS	
	Secure voice	Two channels LPC-10 (2.4 kbps) and CVSD (16 kbps)	
	Navigation	TACAN Relative and geodetic	
	Identification	Direct and indirect	
Data throughput	238 kbps (107 for L16) Expandable to 2 Mbps		
Output power	200 W, 25 W, 1 W (TACAN 200 W) Dual antenna, transmit and receive HPA interface		
Input power	Basic	115 V, 3-phases, 400 Hz 280 V DC	
	External adapter	115 V, 1-phase, 50 / 60 Hz	(ACA)
		115 V, 3-phases, 50 / 60 Hz	(ACA)
Power consumption	28 V DC (DCA) < 800 W		

PHYSICAL CHARACTERISTICS

Dimensions (W x H x D)	Main Terminal	3/4 ATR (190.5 x 193.5 x 343 mm)
	Remote Power Supply	1/4 ATR (57.2 x 193.5 x 343 mm)
Weight	Main Terminal	22.3 kg
	Remote Power Supply	6.5 kg

INTERFACES

Avionics	MIL STD 1553B bus 3910 high speed bus
Ground / Naval	IEEE 8023 Ethernet CCITT X25

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