

JTT-MINI

Joint Tactical Terminal - Miniturized



SMALLEST AND MOST COMPLETE IBS TRANSCEIVER

The Leonardo DRS Joint Tactical Terminal - Miniaturized (JTT-Mini) provides the most comprehensive near real-time situational awareness and intelligence picture worldwide. The JTT-Mini is the smallest and most complete Integrated Broadcast Service (IBS) transceiver solution available. The JTT-Mini is also the world's first and only modular bolt-on transmit terminal upgrade available - based on the IBR-Mini. It is a stand-alone, interoperable beyond line-of-sight (BLOS) miniaturized Common Interactive Broadcast (CIB) transceiver for all JTT-IBS applications with a 60% size, weight and power (SWAP) reduction. Enhanced capability communicates near real time situational awareness of millions of threat, survivor, and Blue Force Tracking reports daily.

The JTT-Mini provides red side processing for filtering, correlation, and translation, freeing up platform processors for other essential air, land or sea mission functions. It is a multi-channel, software defined terminal that delivers IBS data via the Common Interactive Broadcast (CIB) waveform and is reprogrammable for additional future waveforms. The JTT-Mini also provides UHF SATCOM secure voice, text, and data using either the CIB, Integrated Waveform (IW) or the Mobile User Objective System (MUOS) waveform.



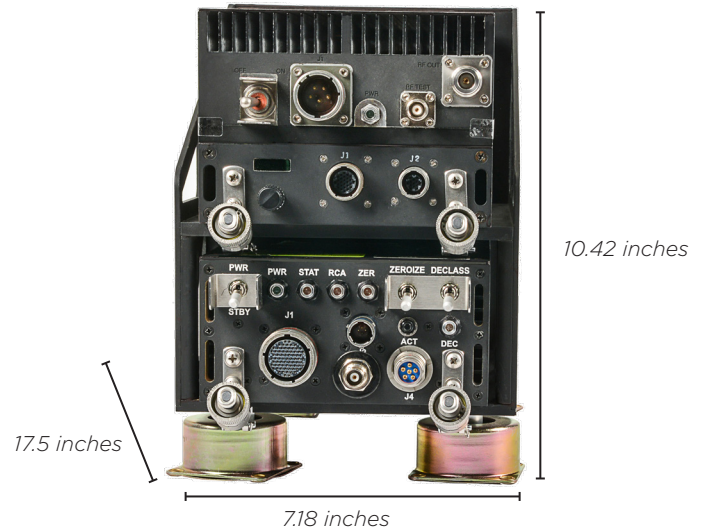
JOINT TACTICAL TERMINAL - MINIATURIZED (JTT-MINI)

HIGHLIGHTS

- Receives and Transmits critical Beyond Line of Site (BLOS) situational awareness information (threat, survivor, and Blue Force Tracker) near real-time
- Ruggedized for Air, Ground and Maritime operations
- Standalone terminal with red side processing to maximize platform resources for mission functions
- World's only Modular upgrade from the IBR-Mini that maintains all the functionality of the Air Force Tactical Receive Segment-Ruggedized (AFTRS-R) in a 2/3 size and weight ruggedized form factor
- Four (4) channel software defined radio (2 channel receive / 2 channel transmit)
- Field-upgradeable firmware/software
- Supports simultaneous CIB, IBS-S communications
- Supports up to ten users simultaneously
- Dynamic channel reconfiguration
- Reprogrammable for additional and future waveforms
- Capability to hold cryptographic keys for more than one year after external power is removed
- Integrated Spectrum Analyzer
- Supports Joint Control Client (JCC), JCSC, Tipoff-NT, Falcon View
- JITC and NSA Type-1 certification
- SCA compliant

GENERAL FEATURES

- Key fill via front panel or remote fill panel interface
- Broadcast reception on up to four (4) channels
- Internal data correlation, via PICES
- Transmits via Common Interactive Broadcast (CIB), Integrated Waveform (IW), or Mobile User Objective System (MUOS) waveforms



PERFORMANCE SPECIFICATIONS

PARAMETER	DESCRIPTION
Broadcast reception	2nd Generation four (4) channel operations
Broadcast transmission	Two (2) channel transmit
Operating modes	CIB and IBS-S
Key holdup	AEK - 1 year, TEK/KEK -1 year
Keyfill	Front panel or remote fill panel interface
Data correlation	Internal, via PICES
Growth reprogrammable	4-channel software defined - for additional waveforms
Size, weight & power savings	78% reduced weight 60% reduced dimensions 33% reduced power (<350 watts)

PHYSICAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Dimensions	17.5 L x 7.18 W x 10.42 H (inches)
Weight	20 lbs. (<9.1 kg)

ELECTRICAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Interfaces	Two (2) redundant MILT-STD-1553B USB Two (2) RS-422/RS-232 and Ethernet
Input power	18 VDC to 32 VDC (28 VDC nominal)

ENVIRONMENTAL SPECIFICATIONS

PARAMETER	DESCRIPTION
Temperature (operating)	-40°F to 158°F (-40°C to +71°C)
Altitude (operating)	70,000 ft. mean sea level

Airborne & Intelligence Systems

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